

Data File : VD062228.D
Acq On : 11 May 2019 10:48
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
5/12/2019 1:22:37 PM

Quant Time: May 11 22:29:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	867199	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	1211093	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	902451	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	456195	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	374358	46.45	ug/l	0.03
Spiked Amount	50.000		Recovery	=	92.90%	
35) Dibromofluoromethane	6.93	113	489907	48.75	ug/l	0.04
Spiked Amount	50.000		Recovery	=	97.50%	
50) Toluene-d8	10.41	98	1020369	42.12	ug/l	0.01
Spiked Amount	50.000		Recovery	=	84.24%	
62) 4-Bromofluorobenzene	13.56	95	444067	45.64	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	402937	48.582	ug/l	100
3) Chloromethane	1.76	50	250335	41.771	ug/l	97
4) Vinyl Chloride	1.86	62	274694	46.639	ug/l	99
5) Bromomethane	2.16	94	106100	76.879	ug/l	97
6) Chloroethane	2.28	64	136409	55.194	ug/l	99
7) Trichlorofluoromethane	2.54	101	679793	59.367	ug/l	100
8) Diethyl Ether	2.88	74	89879	40.699	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.16	101	426192	49.202	ug/l	99
10) Methyl Iodide	3.31	142	595632	45.497	ug/l	90
11) Tert butyl alcohol	4.06	59	93775	227.959	ug/l	98
12) 1,1-Dichloroethene	3.14	96	337865	51.097	ug/l	87
13) Acrolein	3.04	56	92242	216.795	ug/l	95
14) Allyl chloride	3.63	41	475309	49.439	ug/l	# 84
15) Acrylonitrile	4.20	53	224314	207.456	ug/l	# 86
16) Acetone	3.22	43	495422	293.139	ug/l	# 88
17) Carbon Disulfide	3.38	76	936641	49.242	ug/l	99
18) Methyl Acetate	3.65	43	134056	44.316	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	693360	48.921	ug/l	96
20) Methylene Chloride	3.82	84	327326	46.386	ug/l	94
21) trans-1,2-Dichloroethene	4.23	96	363863	49.452	ug/l	99
22) Diisopropyl ether	5.12	45	1004297	49.089	ug/l	90
23) Vinyl Acetate	5.06	43	2820983	261.341	ug/l	97
24) 1,1-Dichloroethane	5.00	63	614886	49.821	ug/l	97
25) 2-Butanone	6.07	43	453581	246.051	ug/l	97
26) 2,2-Dichloropropane	6.03	77	690134	56.135	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	412107	50.038	ug/l	97
28) Bromochloromethane	6.44	49	273702	56.366	ug/l	90
29) Tetrahydrofuran	6.46	42	187907	221.227	ug/l	97
30) Chloroform	6.67	83	784087	52.714	ug/l	98
31) Cyclohexane	6.95	56	432583	51.160	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	780254	55.499	ug/l	99
36) 1,1-Dichloropropene	7.15	75	502254	50.580	ug/l	94
37) Ethyl Acetate	6.19	43	204077	48.462	ug/l	# 90
38) Carbon Tetrachloride	7.11	117	755422m	54.965	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	459877	48.337	ug/l	95
40) Benzene	7.46	78	1038905	46.333	ug/l	98
41) Methacrylonitrile	6.45	41	239277	46.496	ug/l #	85
42) 1,2-Dichloroethane	7.58	62	521969	54.943	ug/l	94
43) Isopropyl Acetate	9.24	43	277580	46.478	ug/l #	96
44) Trichloroethene	8.55	130	438154	51.280	ug/l	95
45) 1,2-Dichloropropane	8.94	63	258354	46.582	ug/l	98
46) Dibromomethane	9.07	93	223396	49.532	ug/l #	87
47) Bromodichloromethane	9.37	83	586741	53.185	ug/l	96
48) Methyl methacrylate	9.13	41	171725	46.681	ug/l	90
49) 1,4-Dioxane	9.09	88	33538	844.973	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	865529	225.455	ug/l	95
52) Toluene	10.51	92	747801	51.257	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	490396	51.433	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	500851	48.151	ug/l	91
55) 1,1,2-Trichloroethane	11.19	97	241113	46.710	ug/l	94
56) Ethyl methacrylate	11.04	69	250924	46.779	ug/l #	87
57) 1,3-Dichloropropane	11.41	76	391925	50.257	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	749152	255.680	ug/l	100
59) 2-Hexanone	11.53	43	681423	240.827	ug/l	95
60) Dibromochloromethane	11.69	129	437522	49.044	ug/l	99
61) 1,2-Dibromoethane	11.81	107	299969	47.798	ug/l	98
64) Tetrachloroethene	11.25	164	390799	55.379	ug/l	98
65) Chlorobenzene	12.40	112	820202	48.797	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	403899	55.213	ug/l	96
67) Ethyl Benzene	12.52	91	1508489	53.607	ug/l	97
68) m/p-Xylenes	12.67	106	1057850	103.327	ug/l	94
69) o-Xylene	13.05	106	494928	51.999	ug/l	83
70) Styrene	13.07	104	858068	53.218	ug/l	96
71) Bromoform	13.23	173	276226	54.274	ug/l	99
73) Isopropylbenzene	13.40	105	1591181	58.187	ug/l	96
74) N-amyl acetate	13.26	43	368509	51.400	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	261241	50.463	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	280735	51.782	ug/l	98
77) Bromobenzene	13.67	156	434477	56.757	ug/l	95
78) n-propylbenzene	13.77	91	1814196	55.615	ug/l	95
79) 2-Chlorotoluene	13.84	91	1050237	56.216	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	1360518	59.083	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	76416	49.928	ug/l #	79
82) 4-Chlorotoluene	13.95	91	1215411	55.285	ug/l	93
83) tert-Butylbenzene	14.19	119	1471728	56.862	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	1280958	55.434	ug/l	91
85) sec-Butylbenzene	14.36	105	1551084	54.658	ug/l	94
86) p-Isopropyltoluene	14.49	119	1339848	52.846	ug/l	94
87) 1,3-Dichlorobenzene	14.45	146	770874	55.126	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	730879	53.193	ug/l	96
89) n-Butylbenzene	14.80	91	1289638	56.670	ug/l	96
90) Hexachloroethane	15.00	117	406691	58.984	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	600081	52.105	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	49345	58.067	ug/l	75

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051119\
Quantitation Report (QT Reviewed)

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	522943	62.384	ug/l	96
94) Hexachlorobutadiene	16.04	225	351830	56.431	ug/l	99
95) Naphthalene	16.13	128	648347	55.400	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	318016	60.339	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

MMDadoda
5/12/2019 1:22:37 PM

Abundance

TIC: VD062228.D

Time-->

Chlorodifluoromethane, T
Chloroethylene, C
Bromomethane, T
Chloroacetate, I
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
1,1,1-Trichloro-2-methylpropane, T
Acetone, I
Methyl chloroacetate, T
Methylene Chloride, T
tert butyl alcohol, T
Acrylonitrile, T
1,2-Dichloroethane, T
1,1-Dichloroethane, P
Isopropyl vinyl ether, Acetate, T
Ethyl Acetate, T
2-Butanone, T
1,2-Dichlorobenzene, T
Benzochloroacetate, T
Chloroform, C
1,1,1-Trichloroethane, S
Pentachlorocyclopentadiene, T
1,1-Dichloroethane-d4, S
1,2-Dichloroethane, TM
1,4-Difluorobenzene, I
Trichloroethene, TM
Methylcyclohexane, T
1,2-Dichloropropane, I
Isopropyl acetate, I
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
2-Chloroethyl Vinyl ether, T
4-Methyl-2-Pentanone, T
Toluene, CM
t-1,3-Dichloropropene, T
Ethyl methacrylate, I
1,2-Trichloroethane, T
Tetrachloroethene, T
1,3-Dichloropropane, T
2-Hexanone, T
Dibromochloromethane, T
1,2-Dibromoethane, I
Chlorobenzene, I
Ethyl Benzothioether, T
m/p-Xylenes, T
o-Xylene, T
Isopropylbenzene, T
n-propylbenzene, T
2-Chlorotoluene, T
tert-butylbenzene, T
sec-Butylbenzene, T
1,3-Dichlorobenzene, T
propyltoluene, T
Hexachloroethane, T
Hexachloropropane, T
1,2,4-Trichlorobenzene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T