

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\
 Data File : VD062474.D
 Acq On : 21 May 2019 11:49
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 12:40:22 PM

Quant Time: May 22 01:49:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	781278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1122891	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	932807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	450824	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	426779	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
35) Dibromofluoromethane	6.92	113	512531	50.60	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.20%	
50) Toluene-d8	10.42	98	1142254	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
62) 4-Bromofluorobenzene	13.56	95	489504	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	381297	52.413	ug/l	99
3) Chloromethane	1.75	50	233664	43.173	ug/l	99
4) Vinyl Chloride	1.86	62	275199	48.320	ug/l	100
5) Bromomethane	2.15	94	111241	45.264	ug/l	99
6) Chloroethane	2.27	64	143662	52.144	ug/l	99
7) Trichlorofluoromethane	2.54	101	655219	49.791	ug/l	97
8) Diethyl Ether	2.88	74	91654	51.632	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.16	101	390600	49.893	ug/l	97
10) Methyl Iodide	3.30	142	603791	55.312	ug/l	89
11) Tert butyl alcohol	4.08	59	103022	266.879	ug/l	96
12) 1,1-Dichloroethene	3.13	96	299541	51.771	ug/l	87
13) Acrolein	3.04	56	86912	271.113	ug/l	96
14) Allyl chloride	3.63	41	442598	51.880	ug/l #	79
15) Acrylonitrile	4.20	53	244528	276.441	ug/l	90
16) Acetone	3.22	43	450829	300.824	ug/l #	83
17) Carbon Disulfide	3.38	76	900545	51.392	ug/l	99
18) Methyl Acetate	3.65	43	137587	53.204	ug/l	92
19) Methyl tert-butyl Ether	4.25	73	731381	54.729	ug/l	95
20) Methylene Chloride	3.81	84	324985	50.943	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	364250	53.776	ug/l	92
22) Diisopropyl ether	5.12	45	995197	54.805	ug/l #	88
23) Vinyl Acetate	5.05	43	2990927	272.583	ug/l	98
24) 1,1-Dichloroethane	5.00	63	631351	53.985	ug/l	99
25) 2-Butanone	6.08	43	463144	295.478	ug/l	98
26) 2,2-Dichloropropane	6.03	77	680471	53.977	ug/l	90
27) cis-1,2-Dichloroethene	6.04	96	400808	54.877	ug/l	93
28) Bromochloromethane	6.44	49	216929	51.682	ug/l	88
29) Tetrahydrofuran	6.46	42	214359	286.350	ug/l	96
30) Chloroform	6.67	83	774520	51.947	ug/l	99
31) Cyclohexane	6.95	56	398378	50.451	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	784121	52.091	ug/l	97
36) 1,1-Dichloropropene	7.15	75	511448	47.640	ug/l	98
37) Ethyl Acetate	6.19	43	211357	50.678	ug/l #	87
38) Carbon Tetrachloride	7.11	117	783165m	49.085	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	451962	51.042	ug/l	95
40) Benzene	7.46	78	1012344	48.074	ug/l	100
41) Methacrylonitrile	6.45	41	277092	52.901	ug/l #	89
42) 1,2-Dichloroethane	7.58	62	546795	49.036	ug/l	93
43) Isopropyl Acetate	9.25	43	287573	51.977	ug/l #	89
44) Trichloroethene	8.55	130	420691	49.895	ug/l	90
45) 1,2-Dichloropropane	8.94	63	266391	51.910	ug/l	96
46) Dibromomethane	9.07	93	236167	50.769	ug/l	90
47) Bromodichloromethane	9.37	83	607497	51.336	ug/l	100
48) Methyl methacrylate	9.12	41	188447	50.614	ug/l #	84
49) 1,4-Dioxane	9.08	88	35780	1071.373	ug/l #	90
51) 4-Methyl-2-Pentanone	10.30	43	978908	267.824	ug/l	95
52) Toluene	10.52	92	687134	47.665	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	502295	50.983	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	529621	51.519	ug/l #	88
55) 1,1,2-Trichloroethane	11.20	97	252078	51.593	ug/l	97
56) Ethyl methacrylate	11.05	69	271261	51.935	ug/l #	88
57) 1,3-Dichloropropane	11.41	76	390410	52.103	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	680864	253.862	ug/l	99
59) 2-Hexanone	11.54	43	728824	274.364	ug/l	94
60) Dibromochloromethane	11.69	129	477567	50.890	ug/l	99
61) 1,2-Dibromoethane	11.81	107	315612	52.417	ug/l	96
64) Tetrachloroethene	11.26	164	383226	49.066	ug/l	94
65) Chlorobenzene	12.40	112	855210	47.675	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	405266	48.943	ug/l	96
67) Ethyl Benzene	12.52	91	1568070	50.751	ug/l	96
68) m/p-Xylenes	12.67	106	1041056	93.865	ug/l	89
69) o-Xylene	13.06	106	508021	48.546	ug/l	94
70) Styrene	13.07	104	881451	49.514	ug/l	96
71) Bromoform	13.23	173	286135	52.033	ug/l	99
73) Isopropylbenzene	13.41	105	1487360	52.340	ug/l	98
74) N-amyl acetate	13.27	43	415997	59.271	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	288810	56.335	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	290147	54.640	ug/l	100
77) Bromobenzene	13.68	156	450415	55.874	ug/l	97
78) n-propylbenzene	13.77	91	1885548	57.283	ug/l	96
79) 2-Chlorotoluene	13.84	91	1112195	55.677	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	1331868	54.130	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.48	75	87526	58.444	ug/l	85
82) 4-Chlorotoluene	13.95	91	1270974	55.247	ug/l	92
83) tert-Butylbenzene	14.19	119	1441465	52.815	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	1340010	53.149	ug/l	90
85) sec-Butylbenzene	14.36	105	1550793	54.493	ug/l	95
86) p-Isopropyltoluene	14.49	119	1294761	50.204	ug/l	92
87) 1,3-Dichlorobenzene	14.45	146	755355	53.060	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	735433	53.536	ug/l	97
89) n-Butylbenzene	14.80	91	1308523	52.573	ug/l	96
90) Hexachloroethane	15.00	117	399202	56.009	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	624291	51.573	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	53427	54.903	ug/l	60

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	510403	53.549	ug/l	97
94) Hexachlorobutadiene	16.04	225	397863	56.532	ug/l	99
95) Naphthalene	16.13	128	745340	57.229	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	400736	51.286	ug/l	96

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

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