

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061019\
 Data File : VD062664.D
 Acq On : 10 Jun 2019 20:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 12:38:49 AM

Quant Time: Jun 11 05:15:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	687249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	906639	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	775172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	437776	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	541952	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
35) Dibromofluoromethane	6.92	113	557828	58.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.68%	
50) Toluene-d8	10.42	98	1202060	59.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.52%	
62) 4-Bromofluorobenzene	13.56	95	552662	58.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	386223	48.249	ug/l	99
3) Chloromethane	1.74	50	368871	54.245	ug/l	97
4) Vinyl Chloride	1.84	62	367429	52.400	ug/l	94
5) Bromomethane	2.15	94	200295	56.589	ug/l	95
6) Chloroethane	2.26	64	170034	49.115	ug/l	91
7) Trichlorofluoromethane	2.53	101	822943	52.434	ug/l	98
8) Diethyl Ether	2.86	74	121584	56.957	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.14	101	484117	57.195	ug/l	96
10) Methyl Iodide	3.30	142	523586	43.205	ug/l	91
11) Tert butyl alcohol	4.08	59	118475	290.639	ug/l #	86
12) 1,1-Dichloroethene	3.12	96	344185	56.662	ug/l	99
13) Acrolein	3.03	56	29669	226.266	ug/l	96
14) Allyl chloride	3.61	41	517225	55.378	ug/l	94
15) Acrylonitrile	4.19	53	288501	311.449	ug/l	98
16) Acetone	3.22	43	547412	301.446	ug/l	93
17) Carbon Disulfide	3.37	76	1044353	58.343	ug/l	99
18) Methyl Acetate	3.63	43	164559	55.140	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	862138	58.194	ug/l	97
20) Methylene Chloride	3.81	84	361723	52.745	ug/l	95
21) trans-1,2-Dichloroethene	4.20	96	381027	57.185	ug/l	90
22) Diisopropyl ether	5.12	45	1174124	60.543	ug/l	95
23) Vinyl Acetate	5.05	43	3677232	305.640	ug/l	98
24) 1,1-Dichloroethane	4.98	63	727612	58.321	ug/l	97
25) 2-Butanone	6.07	43	531995	300.288	ug/l	96
26) 2,2-Dichloropropane	6.02	77	784101	54.532	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	436600	60.444	ug/l	93
28) Bromochloromethane	6.44	49	291357	61.093	ug/l	89
29) Tetrahydrofuran	6.46	42	252414	316.383	ug/l	98
30) Chloroform	6.66	83	884018	55.227	ug/l	97
31) Cyclohexane	6.95	56	465374	59.464	ug/l	94
32) 1,1,1-Trichloroethane	6.87	97	916370	57.533	ug/l	97
36) 1,1-Dichloropropene	7.15	75	594547	57.298	ug/l	97
37) Ethyl Acetate	6.17	43	262037	59.005	ug/l #	88
38) Carbon Tetrachloride	7.11	117	912245m	55.621	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	508503	60.643	ug/l	94
40) Benzene	7.45	78	1185986	58.526	ug/l	96
41) Methacrylonitrile	6.45	41	336470	61.944	ug/l	92
42) 1,2-Dichloroethane	7.58	62	689964	57.125	ug/l	98
43) Isopropyl Acetate	9.24	43	346378	63.265	ug/l	91
44) Trichloroethene	8.54	130	480170	58.367	ug/l	93
45) 1,2-Dichloropropane	8.94	63	296344	60.883	ug/l	99
46) Dibromomethane	9.06	93	265752	61.509	ug/l	99
47) Bromodichloromethane	9.37	83	715931	60.914	ug/l	98
48) Methyl methacrylate	9.12	41	238065	60.187	ug/l	93
49) 1,4-Dioxane	9.08	88	40859	1147.830	ug/l	95
51) 4-Methyl-2-Pentanone	10.30	43	1190188	310.672	ug/l	99
52) Toluene	10.50	92	825794	60.625	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	608522	63.149	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	628298	63.086	ug/l	93
55) 1,1,2-Trichloroethane	11.19	97	289002	61.867	ug/l	96
56) Ethyl methacrylate	11.05	69	328258	57.666	ug/l	96
57) 1,3-Dichloropropane	11.41	76	468791	64.749	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	736215	294.876	ug/l	99
59) 2-Hexanone	11.53	43	878246	308.184	ug/l	98
60) Dibromochloromethane	11.69	129	571823	62.011	ug/l	98
61) 1,2-Dibromoethane	11.80	107	360959	64.563	ug/l	96
64) Tetrachloroethene	11.26	164	438773	60.466	ug/l	95
65) Chlorobenzene	12.40	112	1066975	62.227	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	499354	61.063	ug/l	98
67) Ethyl Benzene	12.52	91	1783397	58.663	ug/l	97
68) m/p-Xylenes	12.67	106	1324718	123.949	ug/l	100
69) o-Xylene	13.05	106	610866	62.235	ug/l	92
70) Styrene	13.07	104	1002927	57.265	ug/l	92
71) Bromoform	13.23	173	348601	55.252	ug/l	98
73) Isopropylbenzene	13.41	105	1981581	64.219	ug/l	97
74) N-amyl acetate	13.26	43	476831	57.179	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	324770	61.512	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	360463	60.727	ug/l	100
77) Bromobenzene	13.67	156	532813	60.414	ug/l	96
78) n-propylbenzene	13.77	91	2091788	55.382	ug/l	98
79) 2-Chlorotoluene	13.84	91	1298846	58.731	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1693892	62.114	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	93338	52.788	ug/l	95
82) 4-Chlorotoluene	13.95	91	1584630	59.916	ug/l	98
83) tert-Butylbenzene	14.19	119	1814125	60.314	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	1507671	55.837	ug/l	99
85) sec-Butylbenzene	14.36	105	1818315	57.651	ug/l	94
86) p-Isopropyltoluene	14.49	119	1755283	57.160	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	907908	56.826	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	895864	59.331	ug/l	98
89) n-Butylbenzene	14.80	91	1656638	59.966	ug/l	99
90) Hexachloroethane	15.00	117	475666	58.674	ug/l	74
91) 1,2-Dichlorobenzene	14.81	146	804024	60.539	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	71953	63.801	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	597928	52.852	ug/l	98
94) Hexachlorobutadiene	16.04	225	444889	56.737	ug/l	98
95) Naphthalene	16.13	128	867221	54.278	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	482127	63.025	ug/l	98

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

