

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062764.D
 Acq On : 18 Jun 2019 22:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/19/2019 3:04:04 PM

Quant Time: Jun 19 06:55:29 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	7.05	168	460809	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	619186	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	575844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	354441	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	437620	65.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	131.62%	
35) Dibromofluoromethane	6.92	113	403030	61.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.44%	
50) Toluene-d8	10.42	98	881779	64.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.38%	
62) 4-Bromofluorobenzene	13.56	95	429556	67.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	134.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	252506	46.978	ug/l	100
3) Chloromethane	1.74	50	228926	50.208	ug/l	99
4) Vinyl Chloride	1.84	62	228088	48.512	ug/l	95
5) Bromomethane	2.15	94	123119	51.877	ug/l #	98
6) Chloroethane	2.26	64	132253	56.974	ug/l #	89
7) Trichlorofluoromethane	2.53	101	595530	56.590	ug/l	94
8) Diethyl Ether	2.86	74	84656	59.146	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	325610	57.372	ug/l	96
10) Methyl Iodide	3.30	142	359972	44.199	ug/l	98
11) Tert butyl alcohol	4.07	59	70829	259.138	ug/l #	87
12) 1,1-Dichloroethene	3.12	96	223853	54.961	ug/l	97
13) Acrolein	3.03	56	21734	247.201	ug/l	89
14) Allyl chloride	3.61	41	338306	54.021	ug/l	97
15) Acrylonitrile	4.19	53	181684	292.516	ug/l	88
16) Acetone	3.22	43	357121	293.295	ug/l	97
17) Carbon Disulfide	3.37	76	567523	47.285	ug/l	96
18) Methyl Acetate	3.64	43	118947	59.442	ug/l	93
19) Methyl tert-butyl Ether	4.24	73	585686	58.960	ug/l	98
20) Methylene Chloride	3.81	84	236954	51.520	ug/l #	94
21) trans-1,2-Dichloroethene	4.21	96	232518	52.045	ug/l	91
22) Diisopropyl ether	5.12	45	746613	57.417	ug/l	96
23) Vinyl Acetate	5.05	43	2472602	306.504	ug/l	99
24) 1,1-Dichloroethane	4.98	63	478617	57.214	ug/l	97
25) 2-Butanone	6.07	43	350877	295.378	ug/l	93
26) 2,2-Dichloropropane	6.02	77	526374	54.597	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	275790	56.943	ug/l	97
28) Bromochloromethane	6.43	49	182615	57.107	ug/l	84
29) Tetrahydrofuran	6.46	42	162621	303.997	ug/l	97
30) Chloroform	6.66	83	687204	64.028	ug/l	95
31) Cyclohexane	6.96	56	288322	54.945	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	668493	62.594	ug/l	97
36) 1,1-Dichloropropene	7.15	75	378431	53.401	ug/l	96
37) Ethyl Acetate	6.18	43	179568	59.202	ug/l #	90
38) Carbon Tetrachloride	7.11	117	649101m	57.950	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	305510	53.349	ug/l	92
40) Benzene	7.45	78	805060	58.172	ug/l	98
41) Methacrylonitrile	6.45	41	241962	65.225	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	518170	62.818	ug/l	97
43) Isopropyl Acetate	9.23	43	231648	61.952	ug/l #	97
44) Trichloroethene	8.53	130	334804	59.590	ug/l	91
45) 1,2-Dichloropropane	8.94	63	204115	61.403	ug/l	99
46) Dibromomethane	9.07	93	200725	68.026	ug/l	96
47) Bromodichloromethane	9.37	83	527666	65.738	ug/l	92
48) Methyl methacrylate	9.12	41	175114	64.825	ug/l	97
49) 1,4-Dioxane	9.09	88	28274	1162.403	ug/l #	84
51) 4-Methyl-2-Pentanone	10.30	43	855723	327.064	ug/l	97
52) Toluene	10.51	92	567260	60.978	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	435879	66.233	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	439491	64.614	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	212465	66.598	ug/l	97
56) Ethyl methacrylate	11.05	69	232589	59.681	ug/l	94
57) 1,3-Dichloropropane	11.41	76	302045	61.085	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	486805	285.498	ug/l	99
59) 2-Hexanone	11.53	43	694895	357.048	ug/l	94
60) Dibromochloromethane	11.69	129	411490	65.341	ug/l	98
61) 1,2-Dibromoethane	11.80	107	267765	70.128	ug/l	92
64) Tetrachloroethene	11.26	164	345132	64.025	ug/l	98
65) Chlorobenzene	12.40	112	675199	53.009	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	367760	60.538	ug/l	97
67) Ethyl Benzene	12.52	91	1288232	57.043	ug/l	99
68) m/p-Xylenes	12.67	106	852370	107.359	ug/l	94
69) o-Xylene	13.05	106	429612	58.919	ug/l	97
70) Styrene	13.07	104	799439	61.447	ug/l	97
71) Bromoform	13.23	173	274231	58.343	ug/l #	98
73) Isopropylbenzene	13.41	105	1314562	52.619	ug/l	98
74) N-amyl acetate	13.27	43	362401	53.675	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	252821	59.143	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	268715	55.914	ug/l	96
77) Bromobenzene	13.67	156	387575	54.278	ug/l	99
78) n-propylbenzene	13.77	91	1651212	53.996	ug/l	99
79) 2-Chlorotoluene	13.84	91	926676	51.754	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1216538	55.098	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	67042	47.270	ug/l	86
82) 4-Chlorotoluene	13.95	91	1221660	57.053	ug/l	98
83) tert-Butylbenzene	14.19	119	1278894	52.516	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	1075599	49.201	ug/l	98
85) sec-Butylbenzene	14.36	105	1329748	52.073	ug/l	93
86) p-Isopropyltoluene	14.49	119	1382826	55.618	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	738085	57.058	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	692912	56.680	ug/l	99
89) n-Butylbenzene	14.80	91	1209378	54.069	ug/l	99
90) Hexachloroethane	15.01	117	361717	55.109	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	623188	57.955	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	54613	59.811	ug/l	87

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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	478295	52.260	µg/l	98
94) Hexachlorobutadiene	16.04	225	347562	54.746	µg/l	98
95) Naphthalene	16.12	128	698768	54.034	µg/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	388846	62.782	µg/l	96

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

