

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061365.D
 Acq On : 27 Mar 2019 21:10
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 2:00:47 PM

Quant Time: Mar 28 09:33:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	698284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1216822	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	998319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	412538	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	291500	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	6.89	113	441083	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
50) Toluene-d8	10.38	98	1045639	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
62) 4-Bromofluorobenzene	13.54	95	398567	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	339628	45.543	ug/l	100
3) Chloromethane	1.75	50	259672	42.696	ug/l	99
4) Vinyl Chloride	1.84	62	245491	43.961	ug/l	98
5) Bromomethane	2.15	94	61165	55.236	ug/l	95
6) Chloroethane	2.26	64	90267	55.122	ug/l	96
7) Trichlorofluoromethane	2.52	101	376750	46.396	ug/l	99
8) Diethyl Ether	2.86	74	113356	43.357	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.14	101	406945	46.615	ug/l	97
10) Methyl Iodide	3.30	142	614215	46.538	ug/l	99
11) Tert butyl alcohol	4.04	59	87490	235.516	ug/l	98
12) 1,1-Dichloroethene	3.11	96	344199	45.923	ug/l	96
13) Acrolein	3.02	56	65599	229.928	ug/l	98
14) Allyl chloride	3.61	41	500726	47.898	ug/l	100
15) Acrylonitrile	4.18	53	301350	233.724	ug/l	95
16) Acetone	3.20	43	336975	219.756	ug/l	99
17) Carbon Disulfide	3.36	76	1073309	44.075	ug/l	99
18) Methyl Acetate	3.63	43	153175	47.510	ug/l	99
19) Methyl tert-butyl Ether	4.22	73	644284	49.659	ug/l	99
20) Methylene Chloride	3.80	84	408453	47.451	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	395557	48.882	ug/l	97
22) Diisopropyl ether	5.09	45	1038973	46.965	ug/l	97
23) Vinyl Acetate	5.02	43	2823779	234.988	ug/l	97
24) 1,1-Dichloroethane	4.95	63	643933	49.529	ug/l	99
25) 2-Butanone	6.04	43	429184	222.503	ug/l	99
26) 2,2-Dichloropropane	6.00	77	464729	44.966	ug/l	98
27) cis-1,2-Dichloroethene	6.01	96	413143	46.599	ug/l	100
28) Bromochloromethane	6.41	49	266170	50.718	ug/l #	100
29) Tetrahydrofuran	6.43	42	237736	254.284	ug/l	98
30) Chloroform	6.64	83	667613	49.697	ug/l	100
31) Cyclohexane	6.93	56	459338	44.709	ug/l	97
32) 1,1,1-Trichloroethane	6.84	97	575074	48.524	ug/l	98
36) 1,1-Dichloropropene	7.12	75	485025	45.671	ug/l	98
37) Ethyl Acetate	6.16	43	216448	47.655	ug/l	98
38) Carbon Tetrachloride	7.08	117	534830m	43.826	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	495689	44.815	ug/l	98
40) Benzene	7.43	78	1234650	46.322	ug/l	99
41) Methacrylonitrile	6.42	41	255252	48.064	ug/l	98
42) 1,2-Dichloroethane	7.55	62	404243	50.703	ug/l	100
43) Isopropyl Acetate	9.22	43	295865	44.771	ug/l #	99
44) Trichloroethene	8.52	130	492583	49.660	ug/l	93
45) 1,2-Dichloropropane	8.91	63	328599	48.620	ug/l	99
46) Dibromomethane	9.04	93	220116	48.388	ug/l	99
47) Bromodichloromethane	9.34	83	502065	49.174	ug/l	95
48) Methyl methacrylate	9.09	41	163046	44.705	ug/l	96
49) 1,4-Dioxane	9.05	88	39032	970.278	ug/l	96
51) 4-Methyl-2-Pentanone	10.27	43	937286	233.124	ug/l	98
52) Toluene	10.49	92	779781	47.955	ug/l	100
53) t-1,3-Dichloropropene	10.89	75	458861	49.466	ug/l	99
54) cis-1,3-Dichloropropene	10.01	75	531781	47.079	ug/l	95
55) 1,1,2-Trichloroethane	11.17	97	262706	46.197	ug/l	98
56) Ethyl methacrylate	11.02	69	288386	47.206	ug/l	99
57) 1,3-Dichloropropane	11.38	76	383278	45.855	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.83	63	700604	235.491	ug/l	100
59) 2-Hexanone	11.51	43	660635	226.788	ug/l	98
60) Dibromochloromethane	11.66	129	425285	48.511	ug/l	100
61) 1,2-Dibromoethane	11.79	107	314990	47.835	ug/l	99
64) Tetrachloroethene	11.24	164	337613	43.090	ug/l	98
65) Chlorobenzene	12.38	112	935844	45.870	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	379384	48.026	ug/l	98
67) Ethyl Benzene	12.51	91	1405154	45.122	ug/l	98
68) m/p-Xylenes	12.65	106	1080896	91.628	ug/l	97
69) o-Xylene	13.04	106	558146	48.757	ug/l	94
70) Styrene	13.06	104	926198	46.413	ug/l	99
71) Bromoform	13.21	173	239305	47.788	ug/l	100
73) Isopropylbenzene	13.39	105	1338235	46.609	ug/l	99
74) N-amyl acetate	13.25	43	394586	49.333	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	304399	50.257	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	302490	50.760	ug/l	95
77) Bromobenzene	13.66	156	406060	47.705	ug/l	86
78) n-propylbenzene	13.76	91	1644473	46.802	ug/l	95
79) 2-Chlorotoluene	13.82	91	930057	48.749	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	1111057	49.874	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	91936	50.599	ug/l	94
82) 4-Chlorotoluene	13.93	91	1056114	50.910	ug/l	96
83) tert-Butylbenzene	14.18	119	1288394	46.277	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	1184700	49.121	ug/l	95
85) sec-Butylbenzene	14.36	105	1429179	48.322	ug/l	97
86) p-Isopropyltoluene	14.47	119	1191256	47.632	ug/l	98
87) 1,3-Dichlorobenzene	14.44	146	718148	49.822	ug/l	94
88) 1,4-Dichlorobenzene	14.52	146	675771	48.075	ug/l	98
89) n-Butylbenzene	14.79	91	1078550	46.986	ug/l	97
90) Hexachloroethane	15.00	117	378920	53.630	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	546983	46.264	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	38417	54.080	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	277415	51.508	ug/l	99
94) Hexachlorobutadiene	16.03	225	230689	54.813	ug/l	99
95) Naphthalene	16.11	128	454633	55.379	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	151000	63.712	ug/l	98

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

