

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061489.D
 Acq On : 2 Apr 2019 2:08
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/2/2019 11:39:18 AM

Quant Time: Apr 02 07:18:55 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	7.03	168	595134	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	989627	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	798096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	364783	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	284110	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	
35) Dibromofluoromethane	6.91	113	430611	56.94	ug/l	0.01
Spiked Amount	50.000		Recovery	=	113.88%	
50) Toluene-d8	10.40	98	969815	53.47	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.94%	
62) 4-Bromofluorobenzene	13.55	95	399151	57.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	309150	48.641	ug/l	97
3) Chloromethane	1.76	50	218820	42.215	ug/l	96
4) Vinyl Chloride	1.85	62	207559	43.611	ug/l	99
5) Bromomethane	2.16	94	52145	55.252	ug/l	96
6) Chloroethane	2.27	64	76253	54.634	ug/l	93
7) Trichlorofluoromethane	2.53	101	344758	49.815	ug/l	96
8) Diethyl Ether	2.87	74	100582	45.139	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	359806	48.359	ug/l	93
10) Methyl Iodide	3.30	142	497504	44.400	ug/l	96
11) Tert butyl alcohol	4.06	59	86810	274.188	ug/l	97
12) 1,1-Dichloroethene	3.12	96	301711	47.231	ug/l	99
13) Acrolein	3.04	56	56221	231.353	ug/l	100
14) Allyl chloride	3.62	41	458873	51.502	ug/l	98
15) Acrylonitrile	4.19	53	282590	257.161	ug/l	94
16) Acetone	3.21	43	294247	225.150	ug/l	91
17) Carbon Disulfide	3.37	76	856977	41.291	ug/l	99
18) Methyl Acetate	3.64	43	148211	53.938	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	586477	53.038	ug/l	98
20) Methylene Chloride	3.80	84	372249	50.879	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	330790	47.964	ug/l	94
22) Diisopropyl ether	5.10	45	1036532	54.976	ug/l	96
23) Vinyl Acetate	5.04	43	2687997	262.459	ug/l	97
24) 1,1-Dichloroethane	4.97	63	580863	52.422	ug/l	99
25) 2-Butanone	6.06	43	400634	243.701	ug/l	98
26) 2,2-Dichloropropane	6.01	77	441803	50.157	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	389914	51.602	ug/l	97
28) Bromochloromethane	6.42	49	217619	48.653	ug/l #	95
29) Tetrahydrofuran	6.44	42	201217	252.526	ug/l	98
30) Chloroform	6.65	83	634159	55.389	ug/l	98
31) Cyclohexane	6.94	56	419849	47.949	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	537992	53.263	ug/l	96
36) 1,1-Dichloropropene	7.13	75	418618	48.467	ug/l	96
37) Ethyl Acetate	6.17	43	214078	57.954	ug/l	99
38) Carbon Tetrachloride	7.10	117	518757m	52.268	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	437647	48.651	ug/l	98
40) Benzene	7.45	78	1096669	50.591	ug/l	97
41) Methacrylonitrile	6.42	41	229921	53.234	ug/l #	93
42) 1,2-Dichloroethane	7.56	62	365133	56.312	ug/l	96
43) Isopropyl Acetate	9.23	43	300578	55.926	ug/l	100
44) Trichloroethene	8.53	130	404963	50.200	ug/l	96
45) 1,2-Dichloropropane	8.92	63	293045	53.313	ug/l	99
46) Dibromomethane	9.05	93	213109	57.602	ug/l	97
47) Bromodichloromethane	9.37	83	498781	60.067	ug/l	99
48) Methyl methacrylate	9.11	41	165540	55.809	ug/l	98
49) 1,4-Dioxane	9.06	88	37748	1153.785	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	935028	285.953	ug/l	98
52) Toluene	10.50	92	680874	51.485	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	409173	54.236	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	503901	54.853	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	259118	56.026	ug/l	99
56) Ethyl methacrylate	11.03	69	258592	52.047	ug/l	94
57) 1,3-Dichloropropane	11.39	76	375118	55.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	692359	286.146	ug/l	96
59) 2-Hexanone	11.52	43	668862	282.326	ug/l	98
60) Dibromochloromethane	11.67	129	395028	55.405	ug/l	99
61) 1,2-Dibromoethane	11.80	107	279671	52.222	ug/l	94
64) Tetrachloroethene	11.25	164	312487	49.889	ug/l	97
65) Chlorobenzene	12.39	112	905168	55.496	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	358951	56.839	ug/l	99
67) Ethyl Benzene	12.52	91	1366286	54.880	ug/l	98
68) m/p-Xylenes	12.66	106	893922	94.790	ug/l	92
69) o-Xylene	13.04	106	506867	55.385	ug/l	97
70) Styrene	13.07	104	886937	55.596	ug/l	98
71) Bromoform	13.22	173	222844	55.666	ug/l	96
73) Isopropylbenzene	13.39	105	1236999	48.723	ug/l	98
74) N-amyl acetate	13.25	43	356311	50.380	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	287511	53.683	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	279281	53.001	ug/l	99
77) Bromobenzene	13.66	156	393578	52.291	ug/l	95
78) n-propylbenzene	13.77	91	1387340	44.653	ug/l	97
79) 2-Chlorotoluene	13.83	91	887682	52.619	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	1027345	52.153	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	89022	55.409	ug/l	93
82) 4-Chlorotoluene	13.94	91	1012154	55.178	ug/l	98
83) tert-Butylbenzene	14.18	119	1288272	52.331	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1034890	48.527	ug/l	99
85) sec-Butylbenzene	14.36	105	1284040	49.098	ug/l	100
86) p-Isopropyltoluene	14.48	119	1085520	49.086	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	644601	50.574	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	642599	51.700	ug/l	100
89) n-Butylbenzene	14.79	91	1012134	49.865	ug/l	98
90) Hexachloroethane	15.00	117	325188	52.050	ug/l	73
91) 1,2-Dichlorobenzene	14.80	146	538488	51.508	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	37694	60.009	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	259006	54.386	ug/l	99
94) Hexachlorobutadiene	16.03	225	202961	54.538	ug/l	96
95) Naphthalene	16.12	128	435877	60.045	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	127251	60.721	ug/l	97

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

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