

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032619\
 Data File : VD061333.D
 Acq On : 26 Mar 2019 13:32
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:02:23 PM

Quant Time: Mar 27 09:27:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	777686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1307577	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1054563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	441598	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	319806	47.66	ug/l	0.00
Spiked Amount						
			Recovery	=	95.32%	
35) Dibromofluoromethane	6.92	113	505671	50.54	ug/l	-0.02
Spiked Amount						
			Recovery	=	101.08%	
50) Toluene-d8	10.39	98	1213533	50.02	ug/l	-0.02
Spiked Amount						
			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	13.55	95	447623	47.30	ug/l	0.00
Spiked Amount						
			Recovery	=	94.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	321820	40.475	ug/l	97
3) Chloromethane	1.76	50	265157	42.749	ug/l	98
4) Vinyl Chloride	1.86	62	239676	41.327	ug/l	98
5) Bromomethane	2.17	94	57598	48.932	ug/l	98
6) Chloroethane	2.28	64	81620m	44.735	ug/l	
7) Trichlorofluoromethane	2.54	101	378355	44.136	ug/l	98
8) Diethyl Ether	2.88	74	115417	45.281	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.16	101	382433	43.830	ug/l	99
10) Methyl Iodide	3.32	142	525640	43.121	ug/l	99
11) Tert butyl alcohol	4.06	59	78503	219.789	ug/l	99
12) 1,1-Dichloroethene	3.14	96	342295	45.591	ug/l	98
13) Acrolein	3.03	56	79673	203.788	ug/l	98
14) Allyl chloride	3.62	41	478851	44.960	ug/l	99
15) Acrylonitrile	4.19	53	280252	223.110	ug/l	99
16) Acetone	3.22	43	375059	233.695	ug/l	95
17) Carbon Disulfide	3.39	76	1153315	46.252	ug/l	98
18) Methyl Acetate	3.64	43	132107	43.548	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	588934	44.541	ug/l	99
20) Methylene Chloride	3.82	84	398327	43.730	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	372552	44.355	ug/l	94
22) Diisopropyl ether	5.12	45	985341	43.917	ug/l	99
23) Vinyl Acetate	5.05	43	2661269	222.083	ug/l	100
24) 1,1-Dichloroethane	4.99	63	610668	46.706	ug/l	100
25) 2-Butanone	6.06	43	438490	236.217	ug/l	97
26) 2,2-Dichloropropane	6.01	77	485403	43.722	ug/l	93
27) cis-1,2-Dichloroethene	6.03	96	408562	45.201	ug/l	100
28) Bromochloromethane	6.43	49	285766	52.218	ug/l	93
29) Tetrahydrofuran	6.45	42	217742	235.658	ug/l	99
30) Chloroform	6.66	83	608494	43.673	ug/l	99
31) Cyclohexane	6.95	56	509140	47.978	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	511143	41.423	ug/l	97
36) 1,1-Dichloropropene	7.15	75	463209	43.298	ug/l	99
37) Ethyl Acetate	6.17	43	197364	44.169	ug/l	97
38) Carbon Tetrachloride	7.11	117	537197m	43.935	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	533538	48.154	ug/l	97
40) Benzene	7.45	78	1208764	45.495	ug/l	99
41) Methacrylonitrile	6.44	41	237485	45.736	ug/l	98
42) 1,2-Dichloroethane	7.57	62	351458	42.444	ug/l	98
43) Isopropyl Acetate	9.23	43	296464	46.014	ug/l #	95
44) Trichloroethene	8.53	130	443919	46.199	ug/l	98
45) 1,2-Dichloropropane	8.93	63	317751	48.456	ug/l	99
46) Dibromomethane	9.06	93	197929	44.034	ug/l	98
47) Bromodichloromethane	9.37	83	452469	42.947	ug/l	100
48) Methyl methacrylate	9.12	41	149829	43.570	ug/l	96
49) 1,4-Dioxane	9.07	88	35372	937.489	ug/l	96
51) 4-Methyl-2-Pentanone	10.29	43	857987	223.701	ug/l	98
52) Toluene	10.50	92	701048	43.123	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	384428	41.987	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	504426	45.117	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	241298	44.707	ug/l	99
56) Ethyl methacrylate	11.03	69	263401	45.734	ug/l	97
57) 1,3-Dichloropropane	11.40	76	375647	46.084	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	721628	240.843	ug/l	98
59) 2-Hexanone	11.53	43	657296	235.960	ug/l	98
60) Dibromochloromethane	11.67	129	383386	45.352	ug/l	98
61) 1,2-Dibromoethane	11.79	107	294668	46.726	ug/l	99
64) Tetrachloroethene	11.25	164	317078	43.647	ug/l	97
65) Chlorobenzene	12.39	112	902131	46.444	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	335093	44.496	ug/l	99
67) Ethyl Benzene	12.51	91	1274919	42.888	ug/l	99
68) m/p-Xylenes	12.66	106	1027765	88.571	ug/l	98
69) o-Xylene	13.04	106	493449	45.851	ug/l	98
70) Styrene	13.06	104	849094	46.488	ug/l	99
71) Bromoform	13.23	173	210849	45.753	ug/l	99
73) Isopropylbenzene	13.40	105	1320989	45.991	ug/l	99
74) N-amyl acetate	13.26	43	359389	47.825	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	259915	46.664	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	274689	50.018	ug/l	98
77) Bromobenzene	13.66	156	366919	45.733	ug/l	99
78) n-propylbenzene	13.77	91	1519825	46.901	ug/l	94
79) 2-Chlorotoluene	13.83	91	890039	47.173	ug/l	99
80) 1,3,5-Trimethylbenzene	14.23	105	1059881	46.776	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	85472	49.316	ug/l	99
82) 4-Chlorotoluene	13.94	91	926996	44.942	ug/l	97
83) tert-Butylbenzene	14.18	119	1275545	49.304	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	1059881	46.776	ug/l	99
85) sec-Butylbenzene	14.36	105	1326533	46.041	ug/l	98
86) p-Isopropyltoluene	14.49	119	1061753	41.306	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	608365	42.779	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	624053	45.301	ug/l	98
89) n-Butylbenzene	14.80	91	1072580	46.999	ug/l	97
90) Hexachloroethane	15.00	117	336443	48.818	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	547916	48.285	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	33643	48.337	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	247264	47.182	ug/l	99
94) Hexachlorobutadiene	16.04	225	189634	44.908	ug/l	99
95) Naphthalene	16.12	128	331445	43.344	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	102205	41.755	ug/l	99

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

