

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061331.D
 Acq On : 26 Mar 2019 9:25
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 11:59:58 AM

Quant Time: Mar 26 10:03:01 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	730572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1312006	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	1068871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	444149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	314932	49.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.92%	
35) Dibromofluoromethane	6.92	113	494080	49.21	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	98.42%	
50) Toluene-d8	10.40	98	1164630	47.84	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	95.68%	
62) 4-Bromofluorobenzene	13.55	95	467976	49.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	407858	54.603	ug/l	97
3) Chloromethane	1.77	50	304352	52.233	ug/l	100
4) Vinyl Chloride	1.86	62	313821	57.601	ug/l	98
5) Bromomethane	2.16	94	61833	55.917	ug/l	92
6) Chloroethane	2.28	64	104647	61.055	ug/l	98
7) Trichlorofluoromethane	2.54	101	450054	55.885	ug/l	100
8) Diethyl Ether	2.88	74	142541	59.529	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	444763	54.260	ug/l	95
10) Methyl Iodide	3.32	142	723895	63.214	ug/l	96
11) Tert butyl alcohol	4.06	59	95948	285.955	ug/l	99
12) 1,1-Dichloroethene	3.14	96	377798	53.565	ug/l	99
13) Acrolein	3.04	56	84887	231.127	ug/l	92
14) Allyl chloride	3.63	41	585858	58.554	ug/l	98
15) Acrylonitrile	4.20	53	340108	288.223	ug/l	99
16) Acetone	3.22	43	561344	372.323	ug/l	96
17) Carbon Disulfide	3.39	76	1283377	54.788	ug/l	98
18) Methyl Acetate	3.65	43	163038	57.210	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	663568	53.422	ug/l	98
20) Methylene Chloride	3.82	84	446872	52.223	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	431417	54.676	ug/l	97
22) Diisopropyl ether	5.12	45	1171999	55.605	ug/l	99
23) Vinyl Acetate	5.05	43	3171478	281.727	ug/l	98
24) 1,1-Dichloroethane	4.99	63	716027	58.296	ug/l	100
25) 2-Butanone	6.07	43	569844	326.775	ug/l	94
26) 2,2-Dichloropropane	6.02	77	563516	54.031	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	470493	55.409	ug/l	94
28) Bromochloromethane	6.44	49	283619	55.167	ug/l	100
29) Tetrahydrofuran	6.45	42	250050	288.077	ug/l	99
30) Chloroform	6.67	83	764515	58.410	ug/l	100
31) Cyclohexane	6.95	56	559985	56.172	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	630841	54.420	ug/l	98
36) 1,1-Dichloropropene	7.15	75	571591	53.249	ug/l	98
37) Ethyl Acetate	6.18	43	240239	53.582	ug/l	95
38) Carbon Tetrachloride	7.11	117	637259m	51.943	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	611461	55.001	ug/l	97
40) Benzene	7.46	78	1399945	52.512	ug/l	99
41) Methacrylonitrile	6.44	41	271069	52.028	ug/l	97
42) 1,2-Dichloroethane	7.57	62	446853	53.782	ug/l	98
43) Isopropyl Acetate	9.24	43	380071	58.792	ug/l #	96
44) Trichloroethene	8.54	130	541974	56.213	ug/l	98
45) 1,2-Dichloropropane	8.93	63	375640	57.090	ug/l	99
46) Dibromomethane	9.06	93	254585	56.447	ug/l	96
47) Bromodichloromethane	9.37	83	585430	55.380	ug/l	100
48) Methyl methacrylate	9.11	41	192160	55.691	ug/l	93
49) 1,4-Dioxane	9.07	88	44337	1171.128	ug/l	88
51) 4-Methyl-2-Pentanone	10.30	43	1071436	278.410	ug/l	99
52) Toluene	10.51	92	837166	51.322	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	462947	50.392	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	602584	53.715	ug/l	100
55) 1,1,2-Trichloroethane	11.19	97	290184	53.583	ug/l	98
56) Ethyl methacrylate	11.04	69	337094	58.332	ug/l	98
57) 1,3-Dichloropropane	11.40	76	435780	53.281	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	718312	238.927	ug/l	100
59) 2-Hexanone	11.53	43	862393	308.541	ug/l	99
60) Dibromochloromethane	11.68	129	456932	53.870	ug/l	98
61) 1,2-Dibromoethane	11.80	107	357184	56.448	ug/l	99
64) Tetrachloroethene	11.26	164	368694	50.073	ug/l	98
65) Chlorobenzene	12.40	112	970186	49.279	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	424262	55.583	ug/l	98
67) Ethyl Benzene	12.53	91	1657224	55.003	ug/l	99
68) m/p-Xylenes	12.66	106	1146442	97.476	ug/l	99
69) o-Xylene	13.05	106	571895	52.428	ug/l	99
70) Styrene	13.07	104	999504	53.991	ug/l	99
71) Bromoform	13.23	173	256425	54.898	ug/l	99
73) Isopropylbenzene	13.40	105	1407641	48.727	ug/l	98
74) N-amyl acetate	13.26	43	438907	58.072	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	317924	56.751	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	326652	59.138	ug/l	100
77) Bromobenzene	13.67	156	473776	58.713	ug/l	99
78) n-propylbenzene	13.78	91	1800655	55.248	ug/l	94
79) 2-Chlorotoluene	13.83	91	1109568	58.471	ug/l	99
80) 1,3,5-Trimethylbenzene	14.24	105	1244997	54.630	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	113181	64.928	ug/l	96
82) 4-Chlorotoluene	13.94	91	1163004	56.060	ug/l	99
83) tert-Butylbenzene	14.19	119	1496310	57.505	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1244997	54.630	ug/l	100
85) sec-Butylbenzene	14.37	105	1483406	51.190	ug/l	99
86) p-Isopropyltoluene	14.48	119	1461248	56.521	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	819095	57.266	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	728346	52.568	ug/l	99
89) n-Butylbenzene	14.80	91	1169206	50.939	ug/l	95
90) Hexachloroethane	15.01	117	394272	56.880	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	609193	53.377	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	44517	63.593	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	298910	56.709	ug/l	97
94) Hexachlorobutadiene	16.04	225	238074	56.055	ug/l	98
95) Naphthalene	16.12	128	470563	61.184	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	136837	55.583	ug/l	99

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

