

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059960.D
 Acq On : 5 Sep 2018 10:30
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 9/6/2018 2:16:41 PM

Quant Time: Sep 05 15:00:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1359139	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	1848823	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1568059	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	862904	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	547571	47.80	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	95.60%	
35) Dibromofluoromethane	6.30	113	715310	49.35	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	9.44	98	1945147	48.35	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.70%	
62) 4-Bromofluorobenzene	12.42	95	784614	48.02	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	511599	42.11	ug/l	99
3) Chloromethane	1.74	50	453641	41.22	ug/l	99
4) Vinyl Chloride	1.84	62	380170	44.05	ug/l	97
5) Bromomethane	2.13	94	62651m	42.05	ug/l	
6) Chloroethane	2.24	64	115269m	39.13	ug/l	
7) Trichlorofluoromethane	2.48	101	473171	47.39	ug/l	99
8) Diethyl Ether	2.81	74	114595	51.16	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.06	101	318597	52.11	ug/l	98
10) Methyl Iodide	3.22	142	287839	44.59	ug/l	99
11) Tert butyl alcohol	3.95	59	217428	248.75	ug/l	99
12) 1,1-Dichloroethene	3.05	96	246837	51.86	ug/l	91
13) Acrolein	2.96	56	80147m	211.41	ug/l	
14) Allyl chloride	3.50	41	525464	48.80	ug/l	95
15) Acrylonitrile	4.06	53	867993	265.18	ug/l	99
16) Acetone	3.14	43	703832m	337.24	ug/l	
17) Carbon Disulfide	3.29	76	650230	44.01	ug/l	100
18) Methyl Acetate	3.53	43	236173	54.21	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	1381963	51.32	ug/l	98
20) Methylene Chloride	3.69	84	737550	53.18	ug/l	96
21) trans-1,2-Dichloroethene	4.07	96	646416	49.29	ug/l	100
22) Diisopropyl ether	4.83	45	2825650	51.45	ug/l	98
23) Vinyl Acetate	4.78	43	7852422	255.78	ug/l	98
24) 1,1-Dichloroethane	4.73	63	1221291	51.48	ug/l	100
25) 2-Butanone	5.60	43	1865620m	301.82	ug/l	
26) 2,2-Dichloropropane	5.56	77	987849	49.81	ug/l	96
27) cis-1,2-Dichloroethene	5.57	96	745463	51.92	ug/l	97
28) Bromochloromethane	5.91	49	566142	49.79	ug/l	90
29) Tetrahydrofuran	5.94	42	780841	265.35	ug/l	98
30) Chloroform	6.08	83	1298103	53.84	ug/l	96
31) Cyclohexane	6.35	56	980407	44.95	ug/l	96
32) 1,1,1-Trichloroethane	6.27	97	1013693	49.54	ug/l	98
36) 1,1-Dichloropropene	6.50	75	881207	52.58	ug/l	97
37) Ethyl Acetate	5.68	43	672453	51.56	ug/l	99
38) Carbon Tetrachloride	6.48	117	825442	48.80	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	929191	51.32	µg/l	96
40) Benzene	6.77	78	2390067	54.84	µg/l	100
41) Methacrylonitrile	5.90	41	312145m	47.51	µg/l	
42) 1,2-Dichloroethane	6.87	62	740213	52.91	µg/l	99
43) Isopropyl Acetate	8.33	43	908767	53.56	µg/l	# 100
44) Trichloroethene	7.72	130	686628	53.51	µg/l	97
45) 1,2-Dichloropropane	8.08	63	628513	51.60	µg/l	97
46) Dibromomethane	8.20	93	419095	53.51	µg/l	96
47) Bromodichloromethane	8.47	83	933909	52.67	µg/l	99
48) Methyl methacrylate	8.23	41	513302	51.90	µg/l	99
49) 1,4-Dioxane	8.21	88	99431	1126.04	µg/l	# 86
51) 4-Methyl-2-Pentanone	9.33	43	3563723	281.74	µg/l	100
52) Toluene	9.54	92	1469041	52.57	µg/l	99
53) t-1,3-Dichloropropene	9.90	75	882353	53.80	µg/l	100
54) cis-1,3-Dichloropropene	9.08	75	1007054	52.96	µg/l	98
55) 1,1,2-Trichloroethane	10.17	97	520911	51.00	µg/l	98
56) Ethyl methacrylate	10.02	69	633849	53.77	µg/l	96
57) 1,3-Dichloropropane	10.37	76	836652	56.59	µg/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1543816	272.99	µg/l	97
59) 2-Hexanone	10.48	43	2832438m	303.59	µg/l	
60) Dibromochloromethane	10.63	129	694000	54.05	µg/l	100
61) 1,2-Dibromoethane	10.75	107	556943	53.92	µg/l	97
64) Tetrachloroethene	10.24	164	623773	51.45	µg/l	99
65) Chlorobenzene	11.30	112	1652654	53.04	µg/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	597357	52.47	µg/l	99
67) Ethyl Benzene	11.42	91	2688886	51.29	µg/l	100
68) m/p-Xylenes	11.55	106	1983451	103.92	µg/l	99
69) o-Xylene	11.93	106	993497	53.22	µg/l	98
70) Styrene	11.95	104	1693956	52.41	µg/l	99
71) Bromoform	12.11	173	515988	52.38	µg/l	99
73) Isopropylbenzene	12.27	105	2679099	48.64	µg/l	98
74) N-amyl acetate	12.13	43	1129562	46.83	µg/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	666771	52.33	µg/l	99
76) 1,2,3-Trichloropropane	12.59	75	693306	51.69	µg/l	100
77) Bromobenzene	12.53	156	794742	52.04	µg/l	97
78) n-propylbenzene	12.63	91	3488665	50.02	µg/l	99
79) 2-Chlorotoluene	12.70	91	1926759	48.85	µg/l	99
80) 1,3,5-Trimethylbenzene	12.78	105	2115406	48.30	µg/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	207796	49.81	µg/l	98
82) 4-Chlorotoluene	12.80	91	2130508	47.35	µg/l	99
83) tert-Butylbenzene	13.04	119	2506591	50.25	µg/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	2237361	49.02	µg/l	96
85) sec-Butylbenzene	13.22	105	2963914	50.52	µg/l	95
86) p-Isopropyltoluene	13.34	119	2311301	48.44	µg/l	99
87) 1,3-Dichlorobenzene	13.31	146	1407655	51.63	µg/l	99
88) 1,4-Dichlorobenzene	13.38	146	1406258	51.70	µg/l	99
89) n-Butylbenzene	13.64	91	2365776	52.54	µg/l	99
90) Hexachloroethane	13.85	117	587395	45.85	µg/l	95
91) 1,2-Dichlorobenzene	13.65	146	1208219	52.12	µg/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	96958	49.50	µg/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1017439	51.26	ug/l	99
94) Hexachlorobutadiene	14.87	225	678446	52.14	ug/l	99
95) Naphthalene	14.96	128	1576018	51.95	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	888040	52.31	ug/l	98

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

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