

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083118\
 Data File : VD059928.D
 Acq On : 31 Aug 2018 11:11
 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
 9/4/2018 10:48:48 AM

Quant Time: Aug 31 14:40:57 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	6.38	168	1302350	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1809053	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1503408	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	798925	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	541840	49.36	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.72%	
35) Dibromofluoromethane	6.30	113	723004	50.98	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	9.43	98	2009970	51.06	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.42	95	781345	48.87	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	572315	49.16	ug/l	96
3) Chloromethane	1.75	50	520851	49.39	ug/l	98
4) Vinyl Chloride	1.84	62	448673	54.26	ug/l	98
5) Bromomethane	2.13	94	72925	51.08	ug/l	96
6) Chloroethane	2.24	64	141666	54.58	ug/l	99
7) Trichlorofluoromethane	2.49	101	546614	57.14	ug/l	98
8) Diethyl Ether	2.81	74	116481	54.27	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.07	101	333248	56.88	ug/l	95
10) Methyl Iodide	3.22	142	335429	53.48	ug/l	99
11) Tert butyl alcohol	3.94	59	203726	243.24	ug/l	97
12) 1,1-Dichloroethene	3.06	96	259413	56.88	ug/l	93
13) Acrolein	2.97	56	73827m	203.23	ug/l	
14) Allyl chloride	3.51	41	582220	56.43	ug/l	99
15) Acrylonitrile	4.06	53	774820	247.04	ug/l	98
16) Acetone	3.14	43	584114	292.08	ug/l	100
17) Carbon Disulfide	3.29	76	759726	53.66	ug/l	98
18) Methyl Acetate	3.53	43	223866	53.62	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	1296452	50.25	ug/l	99
20) Methylene Chloride	3.70	84	725095	54.67	ug/l	96
21) trans-1,2-Dichloroethene	4.07	96	654159	52.06	ug/l	99
22) Diisopropyl ether	4.83	45	2749012	52.24	ug/l	98
23) Vinyl Acetate	4.78	43	7495257	254.79	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1217435	53.55	ug/l	100
25) 2-Butanone	5.60	43	1566541	264.49	ug/l	98
26) 2,2-Dichloropropane	5.56	77	1004937	52.88	ug/l	96
27) cis-1,2-Dichloroethene	5.57	96	740024	53.78	ug/l	99
28) Bromochloromethane	5.90	49	569485	52.27	ug/l	98
29) Tetrahydrofuran	5.93	42	708154	251.14	ug/l	99
30) Chloroform	6.08	83	1250691	54.13	ug/l	98
31) Cyclohexane	6.34	56	1019943	48.80	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	1014334	51.73	ug/l	98
36) 1,1-Dichloropropene	6.50	75	864656	52.73	ug/l	99
37) Ethyl Acetate	5.67	43	634585	49.73	ug/l	99
38) Carbon Tetrachloride	6.47	117	863922	52.20	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	948097	53.51	ug/l	99
40) Benzene	6.78	78	2281337	53.50	ug/l	99
41) Methacrylonitrile	5.91	41	340705m	53.00	ug/l	
42) 1,2-Dichloroethane	6.88	62	696781	50.90	ug/l	98
43) Isopropyl Acetate	8.33	43	819318	49.35	ug/l	98
44) Trichloroethene	7.72	130	674533	53.73	ug/l	98
45) 1,2-Dichloropropane	8.09	63	637866	53.52	ug/l	97
46) Dibromomethane	8.19	93	395171	51.56	ug/l	99
47) Bromodichloromethane	8.47	83	935561	53.92	ug/l	100
48) Methyl methacrylate	8.22	41	477295	49.32	ug/l	97
49) 1,4-Dioxane	8.21	88	87868	1016.97	ug/l	92
51) 4-Methyl-2-Pentanone	9.33	43	3224477	260.52	ug/l	99
52) Toluene	9.53	92	1483574	54.26	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	827758	51.58	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	990073	53.21	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	497340	49.76	ug/l	97
56) Ethyl methacrylate	10.01	69	573188	49.69	ug/l	97
57) 1,3-Dichloropropane	10.37	76	760242	52.55	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.90	63	1397639	252.58	ug/l	99
59) 2-Hexanone	10.48	43	2427087	265.86	ug/l	100
60) Dibromochloromethane	10.62	129	655716	52.20	ug/l	100
61) 1,2-Dibromoethane	10.74	107	517976	51.25	ug/l	98
64) Tetrachloroethene	10.23	164	622054	53.51	ug/l	98
65) Chlorobenzene	11.30	112	1641234	54.94	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	580343	53.17	ug/l	99
67) Ethyl Benzene	11.41	91	2730837	54.33	ug/l	100
68) m/p-Xylenes	11.55	106	1997361	109.15	ug/l	100
69) o-Xylene	11.92	106	974165	54.43	ug/l	99
70) Styrene	11.94	104	1653221	53.35	ug/l	98
71) Bromoform	12.11	173	478167	50.63	ug/l #	98
73) Isopropylbenzene	12.27	105	2738795	53.70	ug/l	98
74) N-amyl acetate	12.12	43	1070494	47.94	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	604010	51.20	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	622420	50.13	ug/l	100
77) Bromobenzene	12.53	156	778845	55.08	ug/l	84
78) n-propylbenzene	12.63	91	3451617	53.45	ug/l	97
79) 2-Chlorotoluene	12.69	91	1888640	51.71	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	2075016	51.18	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	188249	48.74	ug/l	94
82) 4-Chlorotoluene	12.80	91	2084436	50.04	ug/l	96
83) tert-Butylbenzene	13.04	119	2495725	54.03	ug/l	97
84) 1,2,4-Trimethylbenzene	13.08	105	2148721	50.84	ug/l	98
85) sec-Butylbenzene	13.21	105	2886787	53.15	ug/l	98
86) p-Isopropyltoluene	13.33	119	2362202	53.47	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	1325711	52.52	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	1345109	53.41	ug/l	97
89) n-Butylbenzene	13.64	91	2385140	58.55	ug/l	98
90) Hexachloroethane	13.85	117	616679	51.99	ug/l	78
91) 1,2-Dichlorobenzene	13.66	146	1143440	53.27	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	84810	46.76	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	924144	50.28	ug/l	99
94) Hexachlorobutadiene	14.88	225	637395	52.91	ug/l	99
95) Naphthalene	14.95	128	1421859	50.63	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	790378	50.28	ug/l	99

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

