

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059997.D
 Acq On : 13 Sep 2018 15:03
 Operator : JC/SY
 Sample : VSTDCC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCC100

Manual Integrations
 APPROVED

apatel
 9/14/2018 10:57:57 AM

Quant Time: Sep 13 15:49:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 15:36:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1668958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2278718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1973420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	1008488	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	1188995	86.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	172.14%	
35) Dibromofluoromethane	6.31	113	1757717	98.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.66%	
50) Toluene-d8	9.45	98	4578918	93.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.66%	
62) 4-Bromofluorobenzene	12.42	95	1738721	87.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	175.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	1700189m	108.78	ug/l	
3) Chloromethane	1.74	50	1502828	108.63	ug/l	96
4) Vinyl Chloride	1.84	62	1252963	114.91	ug/l	99
5) Bromomethane	2.12	94	92635	48.57	ug/l	99
6) Chloroethane	2.22	64	254001	75.79	ug/l	96
7) Trichlorofluoromethane	2.48	101	1331219	104.54	ug/l	100
8) Diethyl Ether	2.80	74	294707	105.08	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.07	101	851684	108.85	ug/l	98
10) Methyl Iodide	3.22	142	1079820	149.27	ug/l	98
11) Tert butyl alcohol	3.95	59	493147	465.89	ug/l	100
12) 1,1-Dichloroethene	3.05	96	676898	111.19	ug/l	99
13) Acrolein	2.96	56	301694	628.80	ug/l	99
14) Allyl chloride	3.51	41	1424637	105.13	ug/l	97
15) Acrylonitrile	4.06	53	1865304	466.13	ug/l	100
16) Acetone	3.14	43	1075976	425.58	ug/l	99
17) Carbon Disulfide	3.29	76	2392175	124.21	ug/l	100
18) Methyl Acetate	3.53	43	488679	92.09	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	2993371	91.20	ug/l	100
20) Methylene Chloride	3.69	84	1716325	83.21	ug/l	100
21) trans-1,2-Dichloroethene	4.07	96	1699018	102.23	ug/l	99
22) Diisopropyl ether	4.83	45	6195974	91.51	ug/l	97
23) Vinyl Acetate	4.78	43	17221362	455.47	ug/l	99
24) 1,1-Dichloroethane	4.73	63	2792227	94.67	ug/l	99
25) 2-Butanone	5.61	43	2835069	388.30	ug/l	98
26) 2,2-Dichloropropane	5.56	77	2039892	83.27	ug/l	100
27) cis-1,2-Dichloroethene	5.57	96	1766915	98.22	ug/l	99
28) Bromochloromethane	5.90	49	1394265	100.57	ug/l	99
29) Tetrahydrofuran	5.93	42	1685073	467.00	ug/l	98
30) Chloroform	6.08	83	2823274	94.02	ug/l	99
31) Cyclohexane	6.35	56	2495513	90.60	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	2352333	92.53	ug/l	99
36) 1,1-Dichloropropene	6.50	75	2123924	100.47	ug/l	99
37) Ethyl Acetate	5.68	43	1413551	88.38	ug/l	98
38) Carbon Tetrachloride	6.48	117	1959197	92.38	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	2415694	104.80	ug/l	98
40) Benzene	6.78	78	5282806	95.93	ug/l	99
41) Methacrylonitrile	5.91	41	747726m	92.06	ug/l	
42) 1,2-Dichloroethane	6.88	62	1658707	95.88	ug/l	99
43) Isopropyl Acetate	8.33	43	1987639	94.88	ug/l #	96
44) Trichloroethene	7.72	130	1710248	104.78	ug/l	98
45) 1,2-Dichloropropane	8.09	63	1458942	95.91	ug/l	99
46) Dibromomethane	8.21	93	962041	98.26	ug/l	90
47) Bromodichloromethane	8.47	83	2149583	97.84	ug/l	99
48) Methyl methacrylate	8.24	41	1100871	90.29	ug/l	96
49) 1,4-Dioxane	8.22	88	224868	2035.66	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	5956639	398.84	ug/l	98
52) Toluene	9.53	92	3490058	99.05	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	1966555	97.04	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	2339330	98.32	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	1190551	93.73	ug/l	97
56) Ethyl methacrylate	10.02	69	1408492	96.81	ug/l	99
57) 1,3-Dichloropropane	10.37	76	1816197	98.66	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.91	63	3156464	452.90	ug/l	99
59) 2-Hexanone	10.48	43	4224530	383.56	ug/l	98
60) Dibromochloromethane	10.63	129	1535826	96.37	ug/l	100
61) 1,2-Dibromoethane	10.74	107	1304489	101.65	ug/l	99
64) Tetrachloroethene	10.24	164	1594115	100.68	ug/l	98
65) Chlorobenzene	11.31	112	3759675	93.41	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.41	131	1238242	85.36	ug/l	99
67) Ethyl Benzene	11.42	91	5488536	81.62	ug/l	98
68) m/p-Xylenes	11.56	106	3887987	157.28	ug/l	98
69) o-Xylene	11.93	106	2142242	88.85	ug/l	95
70) Styrene	11.96	104	3604865	86.95	ug/l	99
71) Bromoform	12.11	173	1216287	97.08	ug/l	98
73) Isopropylbenzene	12.27	105	5765541	87.89	ug/l	99
74) N-amyl acetate	12.13	43	2385240	85.14	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	1393258	92.41	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	1407669	89.63	ug/l	99
77) Bromobenzene	12.54	156	1719725	94.65	ug/l	94
78) n-propylbenzene	12.63	91	7016091	84.85	ug/l	97
79) 2-Chlorotoluene	12.70	91	3989648	85.43	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	4180738	80.53	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	443542	91.48	ug/l	99
82) 4-Chlorotoluene	12.80	91	4261093	80.48	ug/l	97
83) tert-Butylbenzene	13.04	119	5066612	85.93	ug/l	94
84) 1,2,4-Trimethylbenzene	13.09	105	4532902	84.08	ug/l	100
85) sec-Butylbenzene	13.22	105	6091797	88.06	ug/l	99
86) p-Isopropyltoluene	13.33	119	4796671	84.45	ug/l	95
87) 1,3-Dichlorobenzene	13.30	146	2899834	89.46	ug/l	100
88) 1,4-Dichlorobenzene	13.38	146	2892682	89.11	ug/l	95
89) n-Butylbenzene	13.64	91	4138208	72.94	ug/l	97
90) Hexachloroethane	13.85	117	1366170	90.81	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	2115012	77.41	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	288573	127.99	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	2065630	87.91	ug/l	98
94) Hexachlorobutadiene	14.88	225	1400484	90.63	ug/l	99
95) Naphthalene	14.96	128	3494684	97.76	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	1876305	93.12	ug/l	98

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

