

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059993.D
 Acq On : 13 Sep 2018 11:48
 Operator : JC/SY
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 9/14/2018 9:59:56 AM

Quant Time: Sep 13 15:43:39 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	6.38	168	1669001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2263948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1905977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	992368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	74050	5.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.72%	
35) Dibromofluoromethane	6.30	113	96997	5.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.98%	
50) Toluene-d8	9.43	98	275024	5.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.28%	
62) 4-Bromofluorobenzene	12.42	95	107720	5.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	96880m	6.20	ug/l	
3) Chloromethane	1.75	50	87829	6.35	ug/l	97
4) Vinyl Chloride	1.84	62	67550	6.19	ug/l	95
5) Bromomethane	2.12	94	10113	5.30	ug/l	87
6) Chloroethane	2.23	64	16801	5.01	ug/l	90
7) Trichlorofluoromethane	2.49	101	73602	5.78	ug/l	98
8) Diethyl Ether	2.80	74	14199	5.06	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.06	101	44713	5.71	ug/l	94
10) Methyl Iodide	3.22	142	40017	5.53	ug/l	99
11) Tert butyl alcohol	3.94	59	29827	28.18	ug/l	98
12) 1,1-Dichloroethene	3.05	96	35171	5.78	ug/l	98
13) Acrolein	2.96	56	19073	39.75	ug/l	92
14) Allyl chloride	3.50	41	73770	5.44	ug/l	94
15) Acrylonitrile	4.05	53	106719	26.67	ug/l	98
16) Acetone	3.14	43	72878	28.82	ug/l	99
17) Carbon Disulfide	3.28	76	120253	6.24	ug/l	98
18) Methyl Acetate	3.53	43	30363	5.72	ug/l	95
19) Methyl tert-butyl Ether	4.09	73	169479	5.16	ug/l	99
20) Methylene Chloride	3.69	84	140594	6.82	ug/l	97
21) trans-1,2-Dichloroethene	4.07	96	93713	5.64	ug/l	95
22) Diisopropyl ether	4.83	45	350196	5.17	ug/l	94
23) Vinyl Acetate	4.78	43	970994	25.68	ug/l	99
24) 1,1-Dichloroethane	4.72	63	154626	5.24	ug/l	98
25) 2-Butanone	5.60	43	168735	23.11	ug/l	97
26) 2,2-Dichloropropane	5.56	77	130147	5.31	ug/l	100
27) cis-1,2-Dichloroethene	5.57	96	97161	5.40	ug/l	96
28) Bromochloromethane	5.90	49	75473	5.44	ug/l	100
29) Tetrahydrofuran	5.93	42	98909	27.41	ug/l	99
30) Chloroform	6.08	83	155921	5.19	ug/l	96
31) Cyclohexane	6.34	56	167815	6.09	ug/l	94
32) 1,1,1-Trichloroethane	6.27	97	127140	5.00	ug/l	97
36) 1,1-Dichloropropene	6.50	75	124327	5.92	ug/l	97
37) Ethyl Acetate	5.68	43	83632	5.26	ug/l	99
38) Carbon Tetrachloride	6.47	117	116557	5.53	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	134601	5.88	ug/l	98
40) Benzene	6.77	78	305831	5.59	ug/l	97
41) Methacrylonitrile	5.91	41	45831m	5.68	ug/l	
42) 1,2-Dichloroethane	6.87	62	90297	5.25	ug/l	97
43) Isopropyl Acetate	8.33	43	108546	5.22	ug/l #	98
44) Trichloroethene	7.71	130	90795	5.60	ug/l	96
45) 1,2-Dichloropropane	8.08	63	78829	5.22	ug/l	99
46) Dibromomethane	8.19	93	50447	5.19	ug/l	95
47) Bromodichloromethane	8.47	83	109634	5.02	ug/l	98
48) Methyl methacrylate	8.22	41	58713	4.85	ug/l	96
49) 1,4-Dioxane	8.21	88	11234	102.36	ug/l	95
51) 4-Methyl-2-Pentanone	9.33	43	359663	24.24	ug/l	99
52) Toluene	9.52	92	192787	5.51	ug/l	97
53) t-1,3-Dichloropropene	9.90	75	105304	5.23	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	122233	5.17	ug/l	96
55) 1,1,2-Trichloroethane	10.16	97	73155	5.80	ug/l	89
56) Ethyl methacrylate	10.02	69	69827	4.83	ug/l	96
57) 1,3-Dichloropropane	10.37	76	97475	5.33	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.90	63	186450	26.93	ug/l	97
59) 2-Hexanone	10.48	43	254497	23.26	ug/l	99
60) Dibromochloromethane	10.63	129	76652	4.84	ug/l	98
61) 1,2-Dibromoethane	10.74	107	66787	5.24	ug/l	100
64) Tetrachloroethene	10.23	164	86017	5.62	ug/l	97
65) Chlorobenzene	11.30	112	217644	5.60	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.40	131	73780	5.27	ug/l	99
67) Ethyl Benzene	11.41	91	369864	5.70	ug/l	95
68) m/p-Xylenes	11.55	106	267710	11.21	ug/l	86
69) o-Xylene	11.92	106	128441	5.52	ug/l	99
70) Styrene	11.94	104	217358	5.43	ug/l	96
71) Bromoform	12.10	173	55669	4.60	ug/l	99
73) Isopropylbenzene	12.27	105	353660	5.48	ug/l	98
74) N-amyl acetate	12.12	43	132310	4.80	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	76107	5.13	ug/l	93
76) 1,2,3-Trichloropropane	12.58	75	81767	5.29	ug/l	100
77) Bromobenzene	12.53	156	97419	5.45	ug/l	91
78) n-propylbenzene	12.62	91	460532	5.66	ug/l	95
79) 2-Chlorotoluene	12.69	91	257374	5.60	ug/l	93
80) 1,3,5-Trimethylbenzene	12.78	105	286270	5.60	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	22796	4.78	ug/l	99
82) 4-Chlorotoluene	12.80	91	296875	5.70	ug/l	100
83) tert-Butylbenzene	13.04	119	319229	5.50	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	301672	5.69	ug/l	100
85) sec-Butylbenzene	13.21	105	375156	5.51	ug/l	97
86) p-Isopropyltoluene	13.33	119	303852	5.44	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	179988	5.64	ug/l	95
88) 1,4-Dichlorobenzene	13.38	146	180849	5.66	ug/l	98
89) n-Butylbenzene	13.64	91	328010	5.88	ug/l	96
90) Hexachloroethane	13.85	117	64800	4.38	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	160802	5.98	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	11294	5.09	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	125961	5.45	ug/l	98
94) Hexachlorobutadiene	14.87	225	79671	5.24	ug/l	99
95) Naphthalene	14.96	128	182652	5.19	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	107402	5.42	ug/l	98

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

