

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\
 Data File : VD059832.D
 Acq On : 20 Aug 2018 15:35
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV082018

Manual Integrations
 APPROVED

apatel
 8/21/2018 10:23:43 AM

Quant Time: Aug 21 04:41:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:20:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	1152754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.64	114	1637383	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1261803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	577122	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.97	65	436487	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
35) Dibromofluoromethane	5.50	113	615933	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	8.67	98	1631180	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	11.91	95	624395	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	455535	45.88	ug/l	96
3) Chloromethane	1.47	50	401768	47.77	ug/l	100
4) Vinyl Chloride	1.54	62	318738	47.29	ug/l	99
5) Bromomethane	1.77	94	59314	66.96	ug/l	90
6) Chloroethane	1.86	64	91921	60.27	ug/l	97
7) Trichlorofluoromethane	2.07	101	340600	50.19	ug/l	99
8) Diethyl Ether	2.31	74	72716	47.94	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.53	101	216473	50.16	ug/l	97
10) Methyl Iodide	2.67	142	224020	45.10	ug/l	99
11) Tert butyl alcohol	3.22	59	88759	260.26	ug/l	98
12) 1,1-Dichloroethene	2.52	96	165277	54.69	ug/l	91
13) Acrolein	2.44	56	92143	263.75	ug/l	98
14) Allyl chloride	2.88	41	424725	47.06	ug/l	99
15) Acrylonitrile	3.33	53	351230	222.51	ug/l	98
16) Acetone	2.58	43	427367	276.38	ug/l	98
17) Carbon Disulfide	2.73	76	584418	51.24	ug/l	98
18) Methyl Acetate	2.90	43	156323	50.01	ug/l	99
19) Methyl tert-butyl Ether	3.37	73	925183	46.38	ug/l	99
20) Methylene Chloride	3.03	84	188925	48.81	ug/l	95
21) trans-1,2-Dichloroethene	3.35	96	452366	47.50	ug/l	99
22) Diisopropyl ether	4.03	45	2152718	46.69	ug/l	97
23) Vinyl Acetate	3.97	43	5880423	237.44	ug/l	100
24) 1,1-Dichloroethane	3.93	63	957654	47.24	ug/l	100
25) 2-Butanone	4.78	43	1230485	263.26	ug/l	98
26) 2,2-Dichloropropane	4.75	77	749225	47.10	ug/l	100
27) cis-1,2-Dichloroethene	4.75	96	583673	48.37	ug/l	98
28) Bromochloromethane	5.10	49	482659	46.98	ug/l	97
29) Tetrahydrofuran	5.14	42	553317	233.81	ug/l	99
30) Chloroform	5.28	83	942991	47.13	ug/l	99
31) Cyclohexane	5.55	56	843821	50.15	ug/l	96
32) 1,1,1-Trichloroethane	5.46	97	793237	47.05	ug/l	99
36) 1,1-Dichloropropene	5.70	75	670685	48.30	ug/l	99
37) Ethyl Acetate	4.87	43	486293	47.24	ug/l	97
38) Carbon Tetrachloride	5.68	117	668175	48.21	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.23	83	718839	48.40	ug/l	99
40) Benzene	5.97	78	1749469	48.63	ug/l	100
41) Methacrylonitrile	5.08	41	260732	49.44	ug/l	96
42) 1,2-Dichloroethane	6.08	62	560609	47.85	ug/l	100
43) Isopropyl Acetate	7.57	43	661280	46.45	ug/l #	98
44) Trichloroethene	6.94	130	537673	50.25	ug/l	95
45) 1,2-Dichloropropane	7.30	63	502057	47.52	ug/l	100
46) Dibromomethane	7.42	93	321131	48.82	ug/l	92
47) Bromodichloromethane	7.70	83	708466	48.78	ug/l	99
48) Methyl methacrylate	7.46	41	381595	48.59	ug/l	98
49) 1,4-Dioxane	7.44	88	67884	1021.53	ug/l	97
51) 4-Methyl-2-Pentanone	8.55	43	2536131	266.43	ug/l	99
52) Toluene	8.76	92	1126919	49.54	ug/l	100
53) t-1,3-Dichloropropene	9.14	75	642339	48.56	ug/l	98
54) cis-1,3-Dichloropropene	8.32	75	780659	49.27	ug/l	98
55) 1,1,2-Trichloroethane	9.41	97	393188	47.88	ug/l	97
56) Ethyl methacrylate	9.27	69	452877	47.82	ug/l	96
57) 1,3-Dichloropropane	9.63	76	569683	47.45	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.15	63	1157387	219.43	ug/l	97
59) 2-Hexanone	9.74	43	1789621	254.36	ug/l	100
60) Dibromochloromethane	9.92	129	520948	49.26	ug/l	99
61) 1,2-Dibromoethane	10.06	107	424648	48.39	ug/l	99
64) Tetrachloroethene	9.47	164	459907	49.78	ug/l	98
65) Chlorobenzene	10.69	112	1234228	50.72	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.82	131	418252	50.36	ug/l	98
67) Ethyl Benzene	10.83	91	1967280	49.49	ug/l	99
68) m/p-Xylenes	10.98	106	1451745	98.99	ug/l	96
69) o-Xylene	11.38	106	718151	50.93	ug/l	97
70) Styrene	11.41	104	1235873	50.33	ug/l	97
71) Bromoform	11.57	173	378293	50.68	ug/l #	98
73) Isopropylbenzene	11.75	105	1969219	50.07	ug/l	98
74) N-amyl acetate	11.61	43	871607	49.49	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.05	83	456321	49.22	ug/l	99
76) 1,2,3-Trichloropropane	12.09	75	457247	47.89	ug/l	100
77) Bromobenzene	12.02	156	551307	50.43	ug/l	87
78) n-propylbenzene	12.13	91	2329076	47.68	ug/l	99
79) 2-Chlorotoluene	12.19	91	1360495	48.38	ug/l	96
80) 1,3,5-Trimethylbenzene	12.29	105	1376405	47.45	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	143660	48.13	ug/l	90
82) 4-Chlorotoluene	12.30	91	1353477	47.77	ug/l	94
83) tert-Butylbenzene	12.55	119	1541987m	44.92	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	1585798	49.00	ug/l	98
85) sec-Butylbenzene	12.74	105	2030169	49.34	ug/l	96
86) p-Isopropyltoluene	12.86	119	1615657	50.06	ug/l	97
87) 1,3-Dichlorobenzene	12.81	146	951405	51.70	ug/l	98
88) 1,4-Dichlorobenzene	12.90	146	915296	50.18	ug/l	97
89) n-Butylbenzene	13.18	91	1491933	49.65	ug/l	99
90) Hexachloroethane	13.38	117	468173	50.84	ug/l	84
91) 1,2-Dichlorobenzene	13.17	146	713366	51.60	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.75	75	65895	47.75	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	693420	52.48	ug/l	99
94) Hexachlorobutadiene	14.41	225	473281	53.24	ug/l	99
95) Naphthalene	14.50	128	1095412	50.75	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	580738	50.15	ug/l	98

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

