

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081018\
 Data File : VD059734.D
 Acq On : 10 Aug 2018 17:41
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 11 05:01:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 04:59:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	156697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	178642	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	150212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	85241	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.00	65	45408	21.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.72%	
35) Dibromofluoromethane	5.54	113	37417	22.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.72%	
50) Toluene-d8	8.70	98	71064	20.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.52%	
62) 4-Bromofluorobenzene	11.92	95	35457	21.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	44889	20.50	ug/l	95
3) Chloromethane	1.48	50	16189	16.94	ug/l	98
4) Vinyl Chloride	1.54	62	19643	17.53	ug/l	94
5) Bromomethane	1.77	94	7153	18.84	ug/l	91
6) Chloroethane	1.86	64	8889	18.64	ug/l	99
7) Trichlorofluoromethane	2.07	101	44473	23.15	ug/l	99
8) Diethyl Ether	2.33	74	7064	20.34	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	2.54	101	24735	23.22	ug/l	95
10) Methyl Iodide	2.68	142	23400	19.05	ug/l	98
11) Tert butyl alcohol	3.27	59	8181	110.71	ug/l #	75
12) 1,1-Dichloroethene	2.53	96	16125	20.98	ug/l	96
13) Acrolein	2.46	56	5463	84.56	ug/l #	82
14) Allyl chloride	2.90	41	36294	20.43	ug/l	93
15) Acrylonitrile	3.34	53	19385	94.38	ug/l	95
16) Acetone	2.60	43	35139	91.48	ug/l	98
17) Carbon Disulfide	2.73	76	49875	17.96	ug/l	99
18) Methyl Acetate	2.92	43	12840	17.92	ug/l	100
19) Methyl tert-butyl Ether	3.38	73	69608	23.28	ug/l	95
20) Methylene Chloride	3.05	84	21890	14.81	ug/l #	97
21) trans-1,2-Dichloroethene	3.38	96	22043	21.82	ug/l	84
22) Diisopropyl ether	4.06	45	68226	16.85	ug/l	92
23) Vinyl Acetate	4.00	43	240821	92.40	ug/l	97
24) 1,1-Dichloroethane	3.95	63	53402	19.76	ug/l #	97
25) 2-Butanone	4.83	43	37188	76.73	ug/l	93
26) 2,2-Dichloropropane	4.78	77	62855	21.48	ug/l	99
27) cis-1,2-Dichloroethene	4.79	96	27447	19.27	ug/l	100
28) Bromochloromethane	5.14	49	18178	17.90	ug/l	90
29) Tetrahydrofuran	5.17	42	15152	80.29	ug/l	99
30) Chloroform	5.31	83	72105	21.48	ug/l	97
31) Cyclohexane	5.58	56	31071	15.79	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	74903	22.75	ug/l	98
36) 1,1-Dichloropropene	5.74	75	41183	20.71	ug/l	95
37) Ethyl Acetate	4.91	43	17121	17.74	ug/l #	93
38) Carbon Tetrachloride	5.72	117	64576	23.51	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	31917	19.43	ug/l	94
40) Benzene	6.00	78	74029	19.53	ug/l	100
41) Methacrylonitrile	5.11	41	9808	22.28	ug/l #	88
42) 1,2-Dichloroethane	6.12	62	57226	23.19	ug/l	98
43) Isopropyl Acetate	7.60	43	23484	18.88	ug/l	95
44) Trichloroethene	6.97	130	30043	21.21	ug/l	81
45) 1,2-Dichloropropane	7.34	63	17690	17.69	ug/l	96
46) Dibromomethane	7.46	93	20316	22.70	ug/l	97
47) Bromodichloromethane	7.73	83	52424	22.79	ug/l	94
48) Methyl methacrylate	7.50	41	17892	21.34	ug/l	96
49) 1,4-Dioxane	7.48	88	2009	315.60	ug/l #	86
51) 4-Methyl-2-Pentanone	8.59	43	80181	87.24	ug/l	97
52) Toluene	8.79	92	45222	18.62	ug/l	100
53) t-1,3-Dichloropropene	9.18	75	41682	21.67	ug/l	97
54) cis-1,3-Dichloropropene	8.35	75	38614	19.82	ug/l	99
55) 1,1,2-Trichloroethane	9.44	97	18719	19.83	ug/l	89
56) Ethyl methacrylate	9.31	69	21042	20.38	ug/l	95
57) 1,3-Dichloropropane	9.66	76	30372	20.65	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.18	63	50225	101.10	ug/l	97
59) 2-Hexanone	9.78	43	59835	86.61	ug/l	98
60) Dibromochloromethane	9.95	129	35535	23.12	ug/l	96
61) 1,2-Dibromoethane	10.08	107	23954	21.96	ug/l	96
64) Tetrachloroethene	9.50	164	28572	20.01	ug/l	94
65) Chlorobenzene	10.71	112	59536	18.84	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.84	131	30416	21.33	ug/l	92
67) Ethyl Benzene	10.85	91	113118	19.77	ug/l	97
68) m/p-Xylenes	11.01	106	74594	41.15	ug/l	100
69) o-Xylene	11.40	106	36107	20.39	ug/l	100
70) Styrene	11.43	104	58611	19.79	ug/l	98
71) Bromoform	11.60	173	20960	19.49	ug/l	94
73) Isopropylbenzene	11.77	105	115524	20.44	ug/l	100
74) N-amyl acetate	11.64	43	31413	17.61	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	19390	17.20	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	25446	19.41	ug/l	97
77) Bromobenzene	12.03	156	31706	19.19	ug/l	98
78) n-propylbenzene	12.15	91	144744	20.69	ug/l	97
79) 2-Chlorotoluene	12.21	91	88154	20.78	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	96575	20.41	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	5448	17.66	ug/l	89
82) 4-Chlorotoluene	12.32	91	109290	21.93	ug/l	88
83) tert-Butylbenzene	12.57	119	107215	20.38	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	98813	19.67	ug/l	98
85) sec-Butylbenzene	12.75	105	116794	19.96	ug/l	99
86) p-Isopropyltoluene	12.88	119	107229	21.45	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	59060	20.61	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	58660	20.69	ug/l	97
89) n-Butylbenzene	13.19	91	102327	20.31	ug/l	97
90) Hexachloroethane	13.40	117	27121	20.79	ug/l	96
91) 1,2-Dichlorobenzene	13.19	146	49009	20.42	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	5178	21.65	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	46929	21.44	ug/l	99
94) Hexachlorobutadiene	14.43	225	38820	22.73	ug/l	95
95) Naphthalene	14.51	128	60186	18.88	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	40246	21.32	ug/l	97

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

