

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081418\
 Data File : VD059778.D
 Acq On : 14 Aug 2018 20:36
 Operator : VA/AP
 Sample : VD0814SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Quant Time: Aug 15 10:51:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	219232	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.68	114	280542	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	241960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	135488	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	150027	43.72	ug/l	0.01
Spiked Amount	50.000		Recovery	=	87.44%	
35) Dibromofluoromethane	5.54	113	134982	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
50) Toluene-d8	8.70	98	318171	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	
62) 4-Bromofluorobenzene	11.92	95	144965	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	56405	17.20	ug/l	95
3) Chloromethane	1.48	50	29353	23.62	ug/l	96
4) Vinyl Chloride	1.55	62	29574	18.85	ug/l	95
5) Bromomethane	1.78	94	7771	11.79	ug/l	97
6) Chloroethane	1.87	64	11236	13.91	ug/l	97
7) Trichlorofluoromethane	2.08	101	50947	15.13	ug/l	97
8) Diethyl Ether	2.33	74	9354	17.20	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.55	101	29561	17.13	ug/l	98
10) Methyl Iodide	2.69	142	24688	14.29	ug/l	93
11) Tert butyl alcohol	3.27	59	11399	95.86	ug/l #	82
12) 1,1-Dichloroethene	2.54	96	21289	17.25	ug/l	96
13) Acrolein	2.47	56	7361	103.93	ug/l	85
14) Allyl chloride	2.91	41	51997	19.07	ug/l	91
15) Acrylonitrile	3.35	53	37883	128.86	ug/l	95
16) Acetone	2.61	43	44335	79.09	ug/l #	91
17) Carbon Disulfide	2.75	76	61772	14.93	ug/l	97
18) Methyl Acetate	2.92	43	17848	16.77	ug/l	100
19) Methyl tert-butyl Ether	3.40	73	109053	22.58	ug/l	96
20) Methylene Chloride	3.06	84	27961	17.28	ug/l	97
21) trans-1,2-Dichloroethene	3.38	96	42440	27.13	ug/l	86
22) Diisopropyl ether	4.06	45	140954	27.33	ug/l	85
23) Vinyl Acetate	4.00	43	424918	121.75	ug/l	98
24) 1,1-Dichloroethane	3.97	63	84856	22.28	ug/l #	99
25) 2-Butanone	4.83	43	64917	107.74	ug/l	97
26) 2,2-Dichloropropane	4.79	77	79870	17.94	ug/l	100
27) cis-1,2-Dichloroethene	4.79	96	45564	24.07	ug/l	88
28) Bromochloromethane	5.14	49	33528	24.44	ug/l	85
29) Tetrahydrofuran	5.18	42	30714	136.33	ug/l	99
30) Chloroform	5.31	83	102634	20.40	ug/l	98
31) Cyclohexane	5.59	56	55861	25.26	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	90357	17.32	ug/l	92
36) 1,1-Dichloropropene	5.74	75	67984	20.88	ug/l	94
37) Ethyl Acetate	4.91	43	32288	22.55	ug/l	98
38) Carbon Tetrachloride	5.72	117	81681	15.94	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	54939	22.77	ug/l	96
40) Benzene	6.01	78	137209	24.18	ug/l	99
41) Methacrylonitrile	5.12	41	16091	23.90	ug/l #	89
42) 1,2-Dichloroethane	6.12	62	75754	16.84	ug/l	92
43) Isopropyl Acetate	7.62	43	41182	22.82	ug/l	99
44) Trichloroethene	6.98	130	45774	20.00	ug/l	92
45) 1,2-Dichloropropane	7.34	63	35301	24.43	ug/l	92
46) Dibromomethane	7.46	93	29731	19.37	ug/l	93
47) Bromodichloromethane	7.73	83	69768	17.20	ug/l	99
48) Methyl methacrylate	7.50	41	27524	20.90	ug/l #	81
49) 1,4-Dioxane	7.49	88	4694	504.20	ug/l #	75
51) 4-Methyl-2-Pentanone	8.59	43	135911	97.72	ug/l	94
52) Toluene	8.80	92	91683	25.13	ug/l	98
53) t-1,3-Dichloropropene	9.18	75	62275	19.11	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	61720	19.73	ug/l	87
55) 1,1,2-Trichloroethane	9.45	97	32797	22.79	ug/l	98
56) Ethyl methacrylate	9.31	69	34155	20.83	ug/l #	81
57) 1,3-Dichloropropane	9.66	76	52825	22.05	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.19	63	92289	121.54	ug/l	99
59) 2-Hexanone	9.78	43	101590	97.61	ug/l	90
60) Dibromochloromethane	9.96	129	48965	17.64	ug/l	96
61) 1,2-Dibromoethane	10.09	107	36562	20.32	ug/l	96
64) Tetrachloroethene	9.51	164	44921	18.92	ug/l	89
65) Chlorobenzene	10.72	112	104969	21.26	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	44537	17.81	ug/l	96
67) Ethyl Benzene	10.85	91	199091	21.52	ug/l	95
68) m/p-Xylenes	11.01	106	132576	44.69	ug/l	79
69) o-Xylene	11.40	106	60263	20.89	ug/l	86
70) Styrene	11.43	104	103156	21.84	ug/l	90
71) Bromoform	11.60	173	32733	17.30	ug/l #	96
73) Isopropylbenzene	11.77	105	188894	20.52	ug/l	96
74) N-amyl acetate	11.64	43	55228	20.93	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.07	83	40491	24.11	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	44303	22.10	ug/l	100
77) Bromobenzene	12.04	156	54499	20.27	ug/l	80
78) n-propylbenzene	12.15	91	236177	21.12	ug/l	97
79) 2-Chlorotoluene	12.21	91	147636	20.85	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	156162	19.58	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.85	75	8995	19.93	ug/l #	72
82) 4-Chlorotoluene	12.32	91	166835	19.99	ug/l	94
83) tert-Butylbenzene	12.57	119	172453	19.88	ug/l	92
84) 1,2,4-Trimethylbenzene	12.62	105	167923	20.41	ug/l	93
85) sec-Butylbenzene	12.75	105	201981	21.91	ug/l	98
86) p-Isopropyltoluene	12.88	119	170843	20.56	ug/l	95
87) 1,3-Dichlorobenzene	12.84	146	96128	21.12	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	96771	21.27	ug/l	96
89) n-Butylbenzene	13.19	91	174203	21.21	ug/l	99
90) Hexachloroethane	13.40	117	39984	18.55	ug/l	95
91) 1,2-Dichlorobenzene	13.19	146	83550	21.61	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7232	17.29	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	67033	18.26	ug/l	96
94) Hexachlorobutadiene	14.43	225	50544	16.43	ug/l	94
95) Naphthalene	14.51	128	103341	20.90	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	58590	18.67	ug/l	96

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

