

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073018\
 Data File : VD059628.D
 Acq On : 30 Jul 2018 19:42
 Operator : VA/AP
 Sample : VD0730SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Quant Time: Jul 31 05:02:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	139465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	179443	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	147907	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	74030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.98	65	95857	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	
35) Dibromofluoromethane	5.51	113	81624	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
50) Toluene-d8	8.69	98	172661	49.45	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	11.91	95	81001	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	46265	27.44	ug/l	100
3) Chloromethane	1.46	50	18590	21.33	ug/l	98
4) Vinyl Chloride	1.54	62	20358	22.44	ug/l	97
5) Bromomethane	1.75	94	4275	24.57	ug/l	93
6) Chloroethane	1.84	64	6311	23.78	ug/l	98
7) Trichlorofluoromethane	2.04	101	41258	26.66	ug/l	92
8) Diethyl Ether	2.31	74	6186	22.80	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.52	101	21204	26.00	ug/l	91
10) Methyl Iodide	2.66	142	23260	23.00	ug/l	95
11) Tert butyl alcohol	3.25	59	8280	118.38	ug/l #	80
12) 1,1-Dichloroethene	2.50	96	14905	25.22	ug/l	97
13) Acrolein	2.44	56	3945	109.47	ug/l	87
14) Allyl chloride	2.88	41	33325	23.25	ug/l	98
15) Acrylonitrile	3.33	53	19550	128.87	ug/l	93
16) Acetone	2.59	43	30719	116.02	ug/l	98
17) Carbon Disulfide	2.72	76	50080	21.33	ug/l	99
18) Methyl Acetate	2.90	43	11873	22.42	ug/l #	92
19) Methyl tert-butyl Ether	3.38	73	61026	30.80	ug/l	100
20) Methylene Chloride	3.03	84	19449	25.76	ug/l	90
21) trans-1,2-Dichloroethene	3.35	96	18625	29.22	ug/l	96
22) Diisopropyl ether	4.04	45	82948	22.01	ug/l #	92
23) Vinyl Acetate	3.98	43	270341	113.03	ug/l	99
24) 1,1-Dichloroethane	3.93	63	54488	22.90	ug/l	100
25) 2-Butanone	4.80	43	41484	102.74	ug/l	98
26) 2,2-Dichloropropane	4.75	77	53408	21.92	ug/l	94
27) cis-1,2-Dichloroethene	4.76	96	29485	23.16	ug/l	90
28) Bromochloromethane	5.11	49	21571	22.92	ug/l	100
29) Tetrahydrofuran	5.16	42	18677	99.90	ug/l	97
30) Chloroform	5.28	83	68179	23.96	ug/l	93
31) Cyclohexane	5.55	56	36375	20.55	ug/l	89
32) 1,1,1-Trichloroethane	5.47	97	64023	23.24	ug/l	97
36) 1,1-Dichloropropene	5.71	75	41740	23.18	ug/l	98
37) Ethyl Acetate	4.89	43	22672	24.48	ug/l #	96
38) Carbon Tetrachloride	5.69	117	53299	21.62	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	37583	22.70	ug/l	94
40) Benzene	5.98	78	84038	22.76	ug/l	100
41) Methacrylonitrile	5.09	41	10230	22.13	ug/l	94
42) 1,2-Dichloroethane	6.09	62	52066	23.40	ug/l	98
43) Isopropyl Acetate	7.59	43	27200	21.18	ug/l	100
44) Trichloroethene	6.96	130	31536	23.55	ug/l	88
45) 1,2-Dichloropropane	7.32	63	21239	20.54	ug/l	98
46) Dibromomethane	7.43	93	20544	23.50	ug/l	90
47) Bromodichloromethane	7.71	83	49754	23.83	ug/l	99
48) Methyl methacrylate	7.48	41	19209	22.55	ug/l	95
49) 1,4-Dioxane	7.47	88	2851	372.06	ug/l #	76
51) 4-Methyl-2-Pentanone	8.57	43	89612	104.48	ug/l	98
52) Toluene	8.78	92	55553	22.69	ug/l	96
53) t-1,3-Dichloropropene	9.16	75	42384	22.51	ug/l	97
54) cis-1,3-Dichloropropene	8.33	75	42880	22.93	ug/l	95
55) 1,1,2-Trichloroethane	9.44	97	20020	21.76	ug/l	95
56) Ethyl methacrylate	9.29	69	22470	21.53	ug/l	95
57) 1,3-Dichloropropane	9.64	76	31970	21.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.17	63	51260	104.53	ug/l	94
59) 2-Hexanone	9.77	43	69514	102.04	ug/l	100
60) Dibromochloromethane	9.94	129	34033	22.29	ug/l	99
61) 1,2-Dibromoethane	10.08	107	24409	22.39	ug/l	88
64) Tetrachloroethene	9.49	164	29702	22.16	ug/l	97
65) Chlorobenzene	10.70	112	69178	22.82	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.83	131	32139	24.37	ug/l	97
67) Ethyl Benzene	10.84	91	123752	23.74	ug/l	99
68) m/p-Xylenes	11.00	106	76142	43.74	ug/l	96
69) o-Xylene	11.39	106	38509	22.80	ug/l	96
70) Styrene	11.42	104	63846	22.80	ug/l	96
71) Bromoform	11.59	173	23456	21.84	ug/l #	98
73) Isopropylbenzene	11.76	105	116370	22.25	ug/l	100
74) N-amyl acetate	11.63	43	37696	21.04	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.06	83	24076	22.55	ug/l	95
76) 1,2,3-Trichloropropane	12.10	75	26439	21.60	ug/l	100
77) Bromobenzene	12.03	156	34152	22.31	ug/l	81
78) n-propylbenzene	12.14	91	148538	23.38	ug/l	97
79) 2-Chlorotoluene	12.21	91	85600	22.59	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	94307	22.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.83	75	6817	21.78	ug/l	97
82) 4-Chlorotoluene	12.32	91	102277	23.87	ug/l	98
83) tert-Butylbenzene	12.56	119	105560	22.71	ug/l	98
84) 1,2,4-Trimethylbenzene	12.61	105	100322	22.86	ug/l	97
85) sec-Butylbenzene	12.75	105	117955	22.21	ug/l	99
86) p-Isopropyltoluene	12.88	119	100336	22.41	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	58085	22.43	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	57154	22.91	ug/l	98
89) n-Butylbenzene	13.18	91	95585	22.11	ug/l	96
90) Hexachloroethane	13.39	117	26240	21.93	ug/l	99
91) 1,2-Dichlorobenzene	13.18	146	46671	21.48	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.76	75	4481	20.82	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	39551	21.98	ug/l	91
94) Hexachlorobutadiene	14.42	225	32904	23.19	ug/l	99
95) Naphthalene	14.51	128	54486	21.29	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	35056	21.53	ug/l	96

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

