

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072618\
 Data File : VD059605.D
 Acq On : 26 Jul 2018 15:14
 Operator : VA/AP
 Sample : VD0726SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0726SBS01

Quant Time: Jul 26 15:44:04 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	5.62	168	143442	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.67	114	184411	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.68	117	151729	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.91	152	74428	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	92452	51.27	ug/l	0.01
Spiked Amount			Recovery	=	102.54%	
35) Dibromofluoromethane	5.52	113	82905	52.41	ug/l	0.01
Spiked Amount			Recovery	=	104.82%	
50) Toluene-d8	8.70	98	172552	48.09	ug/l	0.02
Spiked Amount			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	11.92	95	79082	48.93	ug/l	0.01
Spiked Amount			Recovery	=	97.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	45437	25.90	ug/l	88
3) Chloromethane	1.47	50	17872	19.93	ug/l	94
4) Vinyl Chloride	1.54	62	18490	19.82	ug/l	97
5) Bromomethane	1.76	94	4760	26.59	ug/l	84
6) Chloroethane	1.84	64	6013	22.03	ug/l	99
7) Trichlorofluoromethane	2.05	101	36453	22.90	ug/l	98
8) Diethyl Ether	2.32	74	5595	20.40	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.52	101	18520	22.08	ug/l	98
10) Methyl Iodide	2.66	142	21083	20.49	ug/l	99
11) Tert butyl alcohol	3.27	59	7574	105.28	ug/l #	80
12) 1,1-Dichloroethene	2.51	96	12012	19.76	ug/l #	75
13) Acrolein	2.45	56	4423	119.34	ug/l	86
14) Allyl chloride	2.89	41	30091	20.41	ug/l	97
15) Acrylonitrile	3.33	53	15456	99.06	ug/l	93
16) Acetone	2.59	43	28896	106.11	ug/l	97
17) Carbon Disulfide	2.73	76	47480	19.66	ug/l	100
18) Methyl Acetate	2.90	43	11236	20.63	ug/l	94
19) Methyl tert-butyl Ether	3.39	73	54865	26.93	ug/l #	88
20) Methylene Chloride	3.04	84	16047	20.67	ug/l	92
21) trans-1,2-Dichloroethene	3.36	96	15905	24.26	ug/l	93
22) Diisopropyl ether	4.04	45	77513	20.00	ug/l	97
23) Vinyl Acetate	3.99	43	257804	104.80	ug/l	97
24) 1,1-Dichloroethane	3.94	63	51567	21.07	ug/l	98
25) 2-Butanone	4.81	43	41995	101.12	ug/l	96
26) 2,2-Dichloropropane	4.77	77	53910	21.51	ug/l	99
27) cis-1,2-Dichloroethene	4.77	96	28124	21.48	ug/l	94
28) Bromochloromethane	5.12	49	20660	21.34	ug/l	94
29) Tetrahydrofuran	5.17	42	18219	94.75	ug/l	99
30) Chloroform	5.29	83	61456	21.00	ug/l	99
31) Cyclohexane	5.57	56	34837	18.70	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	61519	21.71	ug/l	94
36) 1,1-Dichloropropene	5.72	75	42098	22.75	ug/l	95
37) Ethyl Acetate	4.90	43	19189	20.16	ug/l	99
38) Carbon Tetrachloride	5.70	117	56365	22.24	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	37077	21.79	ug/l	93
40) Benzene	5.99	78	78520	20.69	ug/l	100
41) Methacrylonitrile	5.10	41	9655	20.32	ug/l #	90
42) 1,2-Dichloroethane	6.11	62	49033	21.45	ug/l	99
43) Isopropyl Acetate	7.61	43	25678	19.45	ug/l	95
44) Trichloroethene	6.96	130	29161	21.19	ug/l	99
45) 1,2-Dichloropropane	7.33	63	20817	19.59	ug/l	99
46) Dibromomethane	7.45	93	19096	21.26	ug/l	97
47) Bromodichloromethane	7.72	83	46546	21.70	ug/l	98
48) Methyl methacrylate	7.49	41	18557	21.20	ug/l	90
49) 1,4-Dioxane	7.48	88	3419	430.46	ug/l #	80
51) 4-Methyl-2-Pentanone	8.59	43	87294	99.04	ug/l	95
52) Toluene	8.79	92	53654	21.32	ug/l	99
53) t-1,3-Dichloropropene	9.17	75	38387	19.84	ug/l	97
54) cis-1,3-Dichloropropene	8.34	75	40383	21.02	ug/l	97
55) 1,1,2-Trichloroethane	9.44	97	19993	21.15	ug/l	94
56) Ethyl methacrylate	9.30	69	23823	22.21	ug/l	97
57) 1,3-Dichloropropane	9.65	76	30671	20.42	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.18	63	49002	97.23	ug/l	93
59) 2-Hexanone	9.78	43	66832	95.46	ug/l	98
60) Dibromochloromethane	9.95	129	32264	20.56	ug/l	96
61) 1,2-Dibromoethane	10.08	107	23543	21.02	ug/l	97
64) Tetrachloroethene	9.50	164	29422	21.40	ug/l	89
65) Chlorobenzene	10.71	112	65779	21.15	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	29702	21.95	ug/l	100
67) Ethyl Benzene	10.85	91	119795	22.41	ug/l	99
68) m/p-Xylenes	11.01	106	76105	42.62	ug/l	93
69) o-Xylene	11.40	106	36589	21.12	ug/l	95
70) Styrene	11.42	104	59099	20.57	ug/l	98
71) Bromoform	11.59	173	20750	18.83	ug/l	92
73) Isopropylbenzene	11.77	105	110706	21.05	ug/l	100
74) N-amyl acetate	11.64	43	35960	19.96	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	20492	19.09	ug/l	88
76) 1,2,3-Trichloropropane	12.10	75	25311	20.56	ug/l	100
77) Bromobenzene	12.03	156	31850	20.69	ug/l	92
78) n-propylbenzene	12.15	91	133055	20.83	ug/l	99
79) 2-Chlorotoluene	12.21	91	86565	22.73	ug/l	100
80) 1,3,5-Trimethylbenzene	12.32	105	90282	21.75	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	6447	20.49	ug/l	92
82) 4-Chlorotoluene	12.32	91	95334	22.13	ug/l	90
83) tert-Butylbenzene	12.57	119	101391	21.69	ug/l	95
84) 1,2,4-Trimethylbenzene	12.62	105	93566	21.20	ug/l	97
85) sec-Butylbenzene	12.75	105	114505	21.44	ug/l	96
86) p-Isopropyltoluene	12.88	119	90516	20.11	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	55508	21.32	ug/l	95
88) 1,4-Dichlorobenzene	12.93	146	52974	21.12	ug/l	94
89) n-Butylbenzene	13.19	91	91218	20.99	ug/l	98
90) Hexachloroethane	13.40	117	25486	21.19	ug/l	91
91) 1,2-Dichlorobenzene	13.19	146	44912	20.56	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	4524	20.90	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	39002	21.56	ug/l	98
94) Hexachlorobutadiene	14.43	225	31511	22.09	ug/l	98
95) Naphthalene	14.51	128	52423	20.38	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	33646	20.56	ug/l	97

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

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