

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
 Data File : VD059586.D
 Acq On : 25 Jul 2018 13:37
 Operator : VA/AP
 Sample : VD0725SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBS01

Quant Time: Jul 26 04:27:33 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	146307	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.67	114	184661	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.68	117	150547	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	79860	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.99	65	87827	47.75	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.50%	
35) Dibromofluoromethane	5.52	113	82085	51.82	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.64%	
50) Toluene-d8	8.69	98	172094	47.89	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.78%	
62) 4-Bromofluorobenzene	11.92	95	79408	49.06	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.32	85	44155	24.36	ug/l	96
3) Chloromethane	1.46	50	18007	19.69	ug/l	90
4) Vinyl Chloride	1.54	62	20198	21.23	ug/l	97
5) Bromomethane	1.76	94	3698	20.26	ug/l #	79
6) Chloroethane	1.84	64	5495	19.74	ug/l	97
7) Trichlorofluoromethane	2.05	101	38796	23.90	ug/l	99
8) Diethyl Ether	2.32	74	6287	22.18	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.52	101	18053	21.10	ug/l	96
10) Methyl Iodide	2.66	142	21443	20.43	ug/l	94
11) Tert butyl alcohol	3.26	59	7619	103.83	ug/l #	80
12) 1,1-Dichloroethene	2.51	96	13490	21.76	ug/l	96
13) Acrolein	2.44	56	4299	113.72	ug/l	83
14) Allyl chloride	2.89	41	31103	20.69	ug/l	97
15) Acrylonitrile	3.33	53	15137	95.12	ug/l	100
16) Acetone	2.59	43	27958	100.65	ug/l	98
17) Carbon Disulfide	2.72	76	47984	19.48	ug/l	97
18) Methyl Acetate	2.91	43	10660	19.19	ug/l	97
19) Methyl tert-butyl Ether	3.38	73	47299	22.76	ug/l	99
20) Methylene Chloride	3.04	84	18765	23.69	ug/l	98
21) trans-1,2-Dichloroethene	3.36	96	13415	20.06	ug/l	93
22) Diisopropyl ether	4.05	45	74628	18.88	ug/l	98
23) Vinyl Acetate	3.99	43	241044	96.07	ug/l	99
24) 1,1-Dichloroethane	3.94	63	51629	20.69	ug/l	99
25) 2-Butanone	4.81	43	40372	95.31	ug/l	96
26) 2,2-Dichloropropane	4.76	77	53827	21.06	ug/l	97
27) cis-1,2-Dichloroethene	4.77	96	27816	20.83	ug/l	95
28) Bromochloromethane	5.12	49	19984	20.24	ug/l	96
29) Tetrahydrofuran	5.16	42	17975	91.65	ug/l	98
30) Chloroform	5.29	83	61210	20.51	ug/l	95
31) Cyclohexane	5.56	56	35239	18.49	ug/l	94
32) 1,1,1-Trichloroethane	5.48	97	60912	21.08	ug/l	98
36) 1,1-Dichloropropene	5.72	75	41030	22.14	ug/l	97
37) Ethyl Acetate	4.90	43	20635	21.65	ug/l	99
38) Carbon Tetrachloride	5.70	117	55810	22.00	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	35655	20.92	ug/l	94
40) Benzene	5.99	78	73005	19.21	ug/l	99
41) Methacrylonitrile	5.10	41	9583	20.15	ug/l	94
42) 1,2-Dichloroethane	6.10	62	48474	21.17	ug/l	98
43) Isopropyl Acetate	7.61	43	25109	19.00	ug/l	97
44) Trichloroethene	6.96	130	30364	22.03	ug/l	94
45) 1,2-Dichloropropane	7.33	63	21814	20.50	ug/l	96
46) Dibromomethane	7.44	93	18267	20.31	ug/l	90
47) Bromodichloromethane	7.72	83	45476	21.17	ug/l	98
48) Methyl methacrylate	7.49	41	17940	20.47	ug/l	93
49) 1,4-Dioxane	7.47	88	3164	399.50	ug/l #	84
51) 4-Methyl-2-Pentanone	8.58	43	87204	98.80	ug/l	98
52) Toluene	8.79	92	53252	21.13	ug/l	90
53) t-1,3-Dichloropropene	9.17	75	38128	19.68	ug/l	98
54) cis-1,3-Dichloropropene	8.34	75	41581	21.61	ug/l	94
55) 1,1,2-Trichloroethane	9.44	97	20208	21.35	ug/l	97
56) Ethyl methacrylate	9.30	69	22265	20.73	ug/l	98
57) 1,3-Dichloropropane	9.65	76	31519	20.95	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.18	63	48669	96.44	ug/l	95
59) 2-Hexanone	9.77	43	68253	97.35	ug/l	98
60) Dibromochloromethane	9.95	129	32801	20.87	ug/l	97
61) 1,2-Dibromoethane	10.09	107	23275	20.75	ug/l	99
64) Tetrachloroethene	9.50	164	28885	21.17	ug/l	96
65) Chlorobenzene	10.71	112	65284	21.15	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.84	131	28763	21.43	ug/l	96
67) Ethyl Benzene	10.85	91	119155	22.46	ug/l	99
68) m/p-Xylenes	11.01	106	77435	43.70	ug/l	92
69) o-Xylene	11.39	106	36779	21.39	ug/l	98
70) Styrene	11.42	104	63329	22.22	ug/l	96
71) Bromoform	11.59	173	22220	20.33	ug/l	97
73) Isopropylbenzene	11.77	105	115103	20.40	ug/l	100
74) N-amyl acetate	11.64	43	34785	18.00	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	21328	18.52	ug/l	96
76) 1,2,3-Trichloropropane	12.10	75	24799	18.78	ug/l	97
77) Bromobenzene	12.03	156	33835	20.49	ug/l	88
78) n-propylbenzene	12.15	91	138580	20.22	ug/l	100
79) 2-Chlorotoluene	12.21	91	84236	20.61	ug/l	96
80) 1,3,5-Trimethylbenzene	12.31	105	88884	19.95	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	6239	18.48	ug/l	95
82) 4-Chlorotoluene	12.32	91	93311	20.19	ug/l	95
83) tert-Butylbenzene	12.56	119	101708	20.28	ug/l	95
84) 1,2,4-Trimethylbenzene	12.62	105	93669	19.78	ug/l	94
85) sec-Butylbenzene	12.75	105	116798	20.38	ug/l	100
86) p-Isopropyltoluene	12.88	119	95057	19.68	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	58440	20.92	ug/l	94
88) 1,4-Dichlorobenzene	12.92	146	56553	21.02	ug/l	95
89) n-Butylbenzene	13.19	91	92263	19.79	ug/l	97
90) Hexachloroethane	13.39	117	24927	19.32	ug/l	87
91) 1,2-Dichlorobenzene	13.18	146	46431	19.81	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.76	75	3874	16.68	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	39105	20.15	ug/l	96
94) Hexachlorobutadiene	14.43	225	30721	20.07	ug/l	97
95) Naphthalene	14.51	128	52302	18.95	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	34474	19.63	ug/l	94

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

