

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
 Data File : VD059599.D
 Acq On : 25 Jul 2018 19:57
 Operator : VA/AP
 Sample : J4026-07MSD
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC006-S-180716MSD

Quant Time: Jul 26 04:30:37 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	47140	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.68	114	68828	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.68	117	61742	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	31675	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	46753	78.89	ug/l	0.02
Spiked Amount	50.000		Recovery	=	157.78%	
35) Dibromofluoromethane	5.53	113	37668	63.80	ug/l	0.02
Spiked Amount	50.000		Recovery	=	127.60%	
50) Toluene-d8	8.69	98	68575	51.20	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	11.92	95	36175	59.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.33	85	25062	47.99	ug/l	89
3) Chloromethane	1.47	50	12285	41.70	ug/l #	87
4) Vinyl Chloride	1.53	62	12983	42.34	ug/l	94
5) Bromomethane	1.77	94	4558	77.49	ug/l	87
6) Chloroethane	1.85	64	8297	92.50	ug/l	93
7) Trichlorofluoromethane	2.06	101	29694	56.77	ug/l	96
8) Diethyl Ether	2.32	74	7549	74.82	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.53	101	13243	48.05	ug/l	90
10) Methyl Iodide	2.67	142	16728	46.89	ug/l	86
11) Tert butyl alcohol	3.24	59	13145	555.99	ug/l #	89
12) 1,1-Dichloroethene	2.52	96	10849	54.31	ug/l	90
13) Acrolein	2.45	56	3872	317.89	ug/l	86
14) Allyl chloride	2.90	41	28375	58.58	ug/l	94
15) Acrylonitrile	3.32	53	29816	581.49	ug/l	96
16) Acetone	2.58	43	57322	640.48	ug/l	95
17) Carbon Disulfide	2.73	76	37476	47.23	ug/l	98
18) Methyl Acetate	2.91	43	24836	138.77	ug/l	97
19) Methyl tert-butyl Ether	3.39	73	73766	110.16	ug/l	93
20) Methylene Chloride	3.05	84	17024	66.71	ug/l #	86
21) trans-1,2-Dichloroethene	3.36	96	14207	65.95	ug/l	98
22) Diisopropyl ether	4.04	45	83009	65.17	ug/l	90
23) Vinyl Acetate	3.99	43	289900	358.60	ug/l	98
24) 1,1-Dichloroethane	3.94	63	49482	61.54	ug/l	96
25) 2-Butanone	4.82	43	72692	532.61	ug/l	100
26) 2,2-Dichloropropane	4.77	77	42282	51.34	ug/l	91
27) cis-1,2-Dichloroethene	4.78	96	28291	65.75	ug/l	93
28) Bromochloromethane	5.11	49	25646	80.60	ug/l	87
29) Tetrahydrofuran	5.16	42	29906	473.24	ug/l	93
30) Chloroform	5.30	83	67097	69.77	ug/l	99
31) Cyclohexane	5.57	56	22551	42.92	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	52419	56.30	ug/l	97
36) 1,1-Dichloropropene	5.72	75	31695	45.89	ug/l	95
37) Ethyl Acetate	4.91	43	32752	92.19	ug/l	98
38) Carbon Tetrachloride	5.70	117	41681	44.07	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
 Data File : VD059599.D
 Acq On : 25 Jul 2018 19:57
 Operator : VA/AP
 Sample : J4026-07MSD
 Misc : 5.10a/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC006-S-180716MSD

Quant Time: Jul 26 04:30:37 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)
39) Methylcyclohexane	7.27	83	21033	33.12	ug/l	95
40) Benzene	6.00	78	70259	49.61	ug/l	96
41) Methacrylonitrile	5.10	41	14857	83.80	ug/l #	87
42) 1,2-Dichloroethane	6.11	62	64140	75.16	ug/l	98
43) Isopropyl Acetate	7.60	43	41997	85.25	ug/l	100
44) Trichloroethene	6.96	130	26808	52.18	ug/l	100
45) 1,2-Dichloropropane	7.33	63	22547	56.85	ug/l	100
46) Dibromomethane	7.44	93	26891	80.21	ug/l	97
47) Bromodichloromethane	7.72	83	52694	65.81	ug/l	97
48) Methyl methacrylate	7.48	41	28883	88.40	ug/l	94
49) 1,4-Dioxane	7.47	88	6404	2071.09	ug/l	90
51) 4-Methyl-2-Pentanone	8.59	43	148619	451.75	ug/l	96
52) Toluene	8.78	92	49223	52.41	ug/l	97
53) t-1,3-Dichloropropene	9.18	75	50454	69.86	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	47127	65.71	ug/l	96
55) 1,1,2-Trichloroethane	9.44	97	25800	73.12	ug/l	96
56) Ethyl methacrylate	9.29	69	33614	83.97	ug/l	100
57) 1,3-Dichloropropane	9.65	76	39777	70.95	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.17	63	75894	403.48	ug/l	99
59) 2-Hexanone	9.78	43	114830	439.44	ug/l	98
60) Dibromochloromethane	9.94	129	43851	74.86	ug/l	97
61) 1,2-Dibromoethane	10.08	107	31768	75.98	ug/l	93
64) Tetrachloroethene	9.50	164	26256	46.93	ug/l	97
65) Chlorobenzene	10.71	112	60623	47.90	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	31386	57.01	ug/l	98
67) Ethyl Benzene	10.85	91	99482	45.72	ug/l	100
68) m/p-Xylenes	11.01	106	67172	92.44	ug/l	96
69) o-Xylene	11.40	106	34513	48.95	ug/l	94
70) Styrene	11.43	104	61935	52.98	ug/l	96
71) Bromoform	11.60	173	32237	71.91	ug/l #	95
73) Isopropylbenzene	11.76	105	88463	39.53	ug/l	98
74) N-amyl acetate	11.64	43	46745	60.97	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	34822	76.22	ug/l	100
76) 1,2,3-Trichloropropane	12.11	75	39857	76.09	ug/l	97
77) Bromobenzene	12.03	156	33107	50.54	ug/l	95
78) n-propylbenzene	12.15	91	112821	41.50	ug/l	98
79) 2-Chlorotoluene	12.21	91	71297	43.98	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	70014	39.63	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.83	75	9108	68.01	ug/l	85
82) 4-Chlorotoluene	12.32	91	85429	46.60	ug/l	97
83) tert-Butylbenzene	12.57	119	76019	38.22	ug/l	100
84) 1,2,4-Trimethylbenzene	12.62	105	76860	40.93	ug/l	90
85) sec-Butylbenzene	12.75	105	73844	32.49	ug/l	96
86) p-Isopropyltoluene	12.87	119	64146	33.49	ug/l	95
87) 1,3-Dichlorobenzene	12.84	146	51473	46.46	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	50392	47.21	ug/l	99
89) n-Butylbenzene	13.19	91	54434	29.43	ug/l	99
90) Hexachloroethane	13.40	117	17667	34.52	ug/l	98
91) 1,2-Dichlorobenzene	13.19	146	49000	52.71	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	8318	90.31	ug/l	95

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072518\
Data File : VD059599.D
Acq On : 25 Jul 2018 19:57
Operator : VA/AP
Sample : J4026-07MSD
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716MSD

Quant Time: Jul 26 04:30:37 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.33	180	30525	39.65	ug/l	91
94) Hexachlorobutadiene	14.43	225	9792	16.13	ug/l	94
95) Naphthalene	14.51	128	63819	58.29	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	30015	43.09	ug/l	97

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

