

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102418\
 Data File : VD060177.D
 Acq On : 24 Oct 2018 13:01
 Operator : JC/SY
 Sample : VD1024SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1024SBS01

Manual Integrations
 APPROVED

apatel
 10/25/2018 4:48:58 PM

Quant Time: Oct 25 03:52:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1724634	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	2399705	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.28	117	1980944	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	1005971	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	632320	48.37	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	96.74%	
35) Dibromofluoromethane	6.32	113	890013	48.84	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	97.68%	
50) Toluene-d8	9.45	98	2414381	46.46	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	92.92%	
62) 4-Bromofluorobenzene	12.43	95	915542	47.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	304196	18.751	ug/l	99
3) Chloromethane	1.76	50	325463	22.248	ug/l	100
4) Vinyl Chloride	1.86	62	258767	21.615	ug/l	97
5) Bromomethane	2.14	94	25053	16.666	ug/l	95
6) Chloroethane	2.24	64	55193	16.894	ug/l	97
7) Trichlorofluoromethane	2.51	101	298261	20.807	ug/l	99
8) Diethyl Ether	2.83	74	69489	23.574	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.09	101	206803	23.158	ug/l	98
10) Methyl Iodide	3.24	142	188227	19.876	ug/l	98
11) Tert butyl alcohol	3.97	59	89918	95.905	ug/l	98
12) 1,1-Dichloroethene	3.07	96	165000	23.453	ug/l	96
13) Acrolein	2.99	56	48157	83.321	ug/l	96
14) Allyl chloride	3.54	41	331582	22.693	ug/l	97
15) Acrylonitrile	4.09	53	418160	107.753	ug/l	97
16) Acetone	3.17	43	306324	129.134	ug/l	100
17) Carbon Disulfide	3.31	76	511252	21.610	ug/l	100
18) Methyl Acetate	3.56	43	120296	23.594	ug/l	98
19) Methyl tert-butyl Ether	4.12	73	667532	21.581	ug/l	99
20) Methylene Chloride	3.72	84	498219	24.489	ug/l	97
21) trans-1,2-Dichloroethene	4.10	96	372883	20.522	ug/l	98
22) Diisopropyl ether	4.86	45	1390085	21.303	ug/l	95
23) Vinyl Acetate	4.80	43	4052969	110.496	ug/l	99
24) 1,1-Dichloroethane	4.76	63	624795	21.117	ug/l	99
25) 2-Butanone	5.62	43	691940	116.760	ug/l	96
26) 2,2-Dichloropropane	5.59	77	512992	22.871	ug/l	96
27) cis-1,2-Dichloroethene	5.60	96	405414	21.060	ug/l	94
28) Bromochloromethane	5.92	49	314331	21.863	ug/l	97
29) Tetrahydrofuran	5.95	42	357611	103.889	ug/l	99
30) Chloroform	6.10	83	629673	21.039	ug/l	100
31) Cyclohexane	6.36	56	587217	20.733	ug/l	97
32) 1,1,1-Trichloroethane	6.29	97	536734	21.890	ug/l	99
36) 1,1-Dichloropropene	6.52	75	471389	20.557	ug/l	97
37) Ethyl Acetate	5.69	43	319154	20.968	ug/l	99
38) Carbon Tetrachloride	6.50	117	443754	21.321	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	531784	20.410	ug/l	95
40) Benzene	6.80	78	1210773	20.182	ug/l	99
41) Methacrylonitrile	5.93	41	162205m	18.854	ug/l	
42) 1,2-Dichloroethane	6.89	62	356948	20.753	ug/l	100
43) Isopropyl Acetate	8.35	43	408938	20.422	ug/l #	98
44) Trichloroethene	7.74	130	376577	20.278	ug/l	100
45) 1,2-Dichloropropane	8.11	63	322681	20.542	ug/l	96
46) Dibromomethane	8.21	93	207417	20.395	ug/l	95
47) Bromodichloromethane	8.49	83	448918	20.717	ug/l	99
48) Methyl methacrylate	8.24	41	239595	21.005	ug/l	97
49) 1,4-Dioxane	8.23	88	45337	403.965	ug/l	98
51) 4-Methyl-2-Pentanone	9.34	43	1325570	104.952	ug/l	98
52) Toluene	9.55	92	807859	20.909	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	420894	21.466	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	499045	20.611	ug/l	94
55) 1,1,2-Trichloroethane	10.18	97	263444	20.857	ug/l	98
56) Ethyl methacrylate	10.03	69	291426	20.902	ug/l	99
57) 1,3-Dichloropropane	10.38	76	402876	20.914	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.92	63	862438	111.390	ug/l	97
59) 2-Hexanone	10.49	43	1061831	116.914	ug/l	99
60) Dibromochloromethane	10.63	129	325258	20.988	ug/l	96
61) 1,2-Dibromoethane	10.76	107	274690	20.468	ug/l	96
64) Tetrachloroethene	10.25	164	348571	20.090	ug/l	99
65) Chlorobenzene	11.31	112	893655	20.853	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	311338	21.777	ug/l	99
67) Ethyl Benzene	11.43	91	1521010	21.906	ug/l	100
68) m/p-Xylenes	11.57	106	1129198	43.527	ug/l	97
69) o-Xylene	11.93	106	548602	21.379	ug/l	94
70) Styrene	11.95	104	927223	21.607	ug/l	98
71) Bromoform	12.12	173	230586	19.918	ug/l #	98
73) Isopropylbenzene	12.28	105	1432447	21.584	ug/l	99
74) N-amyl acetate	12.13	43	522482	21.493	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	313653	21.648	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	318794	22.005	ug/l	99
77) Bromobenzene	12.54	156	409701	21.244	ug/l	85
78) n-propylbenzene	12.64	91	1873779	22.738	ug/l	96
79) 2-Chlorotoluene	12.70	91	1026576	22.445	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1174322	22.863	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	89548	21.998	ug/l	93
82) 4-Chlorotoluene	12.81	91	1190848	23.020	ug/l	96
83) tert-Butylbenzene	13.05	119	1287034	21.835	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1197515	22.121	ug/l	98
85) sec-Butylbenzene	13.22	105	1567519	22.492	ug/l	99
86) p-Isopropyltoluene	13.34	119	1290626	22.578	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	722605	21.506	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	717293	21.253	ug/l	100
89) n-Butylbenzene	13.65	91	1248808	22.390	ug/l	99
90) Hexachloroethane	13.85	117	295672	22.350	ug/l	92
91) 1,2-Dichlorobenzene	13.66	146	622180	22.022	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	41365	21.382	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	510466	21.287	ug/l	97
94) Hexachlorobutadiene	14.88	225	342671	21.498	ug/l	99
95) Naphthalene	14.96	128	746178	20.992	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	424397	20.345	ug/l	99

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

