

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
 Data File : VD060656.D
 Acq On : 20 Dec 2018 13:26
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:32:38 AM

Quant Time: Dec 20 14:58:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 14:42:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1532520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2114488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1663378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	853276	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	521851	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	6.33	113	764698	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	9.46	98	2299691	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.42	95	781796	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.61	85	1113965	50.400	ug/l	100
3) Chloromethane	1.77	50	909299	50.075	ug/l	100
4) Vinyl Chloride	1.87	62	748350	50.192	ug/l	100
5) Bromomethane	2.17	94	197126	50.847	ug/l	100
6) Chloroethane	2.27	64	247830	50.071	ug/l	100
7) Trichlorofluoromethane	2.52	101	862539	50.143	ug/l	100
8) Diethyl Ether	2.84	74	140983	50.406	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.10	101	537752	50.410	ug/l	100
10) Methyl Iodide	3.26	142	611684	50.069	ug/l	100
11) Tert butyl alcohol	3.98	59	117831	249.401	ug/l	100
12) 1,1-Dichloroethene	3.08	96	432939	50.249	ug/l	100
13) Acrolein	2.99	56	103068	249.401	ug/l	100
14) Allyl chloride	3.54	41	817196	49.880	ug/l	100
15) Acrylonitrile	4.10	53	676756	252.795	ug/l	100
16) Acetone	3.17	43	489454	250.533	ug/l	100
17) Carbon Disulfide	3.33	76	1445620	50.139	ug/l	100
18) Methyl Acetate	3.56	43	245231	50.207	ug/l	100
19) Methyl tert-butyl Ether	4.13	73	1167736	50.483	ug/l	100
20) Methylene Chloride	3.73	84	881305	50.401	ug/l	100
21) trans-1,2-Dichloroethene	4.11	96	913349	50.182	ug/l	100
22) Diisopropyl ether	4.86	45	2791781	50.232	ug/l	100
23) Vinyl Acetate	4.81	43	6866417	251.545	ug/l	100
24) 1,1-Dichloroethane	4.76	63	1463309	50.254	ug/l	100
25) 2-Butanone	5.62	43	964127	249.401	ug/l	100
26) 2,2-Dichloropropane	5.59	77	1159071	49.956	ug/l	100
27) cis-1,2-Dichloroethene	5.60	96	930428	49.880	ug/l	100
28) Bromochloromethane	5.93	49	604770	49.880	ug/l	100
29) Tetrahydrofuran	5.96	42	529188	249.401	ug/l	100
30) Chloroform	6.10	83	1467584	49.880	ug/l	100
31) Cyclohexane	6.37	56	1400711	49.880	ug/l	100
32) 1,1,1-Trichloroethane	6.30	97	1220287	49.940	ug/l	100
36) 1,1-Dichloropropene	6.53	75	1130539	50.082	ug/l	100
37) Ethyl Acetate	5.70	43	478215	51.323	ug/l	100
38) Carbon Tetrachloride	6.50	117	1018277	50.000	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
 Data File : VD060656.D
 Acq On : 20 Dec 2018 13:26
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:32:38 AM

Quant Time: Dec 20 14:58:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 14:42:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1323886	50.000	ug/l	100
40) Benzene	6.80	78	2933549	50.084	ug/l	100
41) Methacrylonitrile	5.93	41	276694m	50.111	ug/l	
42) 1,2-Dichloroethane	6.90	62	729500	50.112	ug/l	100
43) Isopropyl Acetate	8.35	43	632716	50.000	ug/l	100
44) Trichloroethene	7.75	130	876758	50.022	ug/l	100
45) 1,2-Dichloropropane	8.10	63	710732	49.962	ug/l	100
46) Dibromomethane	8.22	93	412536	50.000	ug/l	100
47) Bromodichloromethane	8.49	83	997393	50.000	ug/l	100
48) Methyl methacrylate	8.25	41	385134	50.000	ug/l	100
49) 1,4-Dioxane	8.23	88	72124	1000.000	ug/l	100
51) 4-Methyl-2-Pentanone	9.34	43	1940232	250.000	ug/l	100
52) Toluene	9.55	92	1859474	49.987	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	846851	50.000	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	1106575	49.984	ug/l	100
55) 1,1,2-Trichloroethane	10.18	97	493224	50.000	ug/l	100
56) Ethyl methacrylate	10.03	69	504534	50.000	ug/l	100
57) 1,3-Dichloropropane	10.38	76	786359	49.986	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	1331132	250.000	ug/l	100
59) 2-Hexanone	10.49	43	1378600	250.000	ug/l	100
60) Dibromochloromethane	10.64	129	668784	50.000	ug/l	100
61) 1,2-Dibromoethane	10.76	107	530560	50.000	ug/l	100
64) Tetrachloroethene	10.26	164	804521	50.018	ug/l	100
65) Chlorobenzene	11.31	112	1954138	50.000	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	640414	50.000	ug/l	100
67) Ethyl Benzene	11.43	91	3357363	50.000	ug/l	100
68) m/p-Xylenes	11.56	106	2438602	100.000	ug/l	100
69) o-Xylene	11.94	106	1182314	50.012	ug/l	100
70) Styrene	11.96	104	1907334	50.000	ug/l	100
71) Bromoform	12.12	173	431260	50.000	ug/l	100
73) Isopropylbenzene	12.27	105	3266803	50.000	ug/l	100
74) N-amyl acetate	12.14	43	773843	50.000	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.56	83	541477	50.000	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	525633	50.000	ug/l	100
77) Bromobenzene	12.54	156	870498	50.000	ug/l	100
78) n-propylbenzene	12.64	91	4162169	50.000	ug/l	100
79) 2-Chlorotoluene	12.71	91	2256731	50.000	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	2513663	50.000	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	152667	50.000	ug/l	100
82) 4-Chlorotoluene	12.80	91	2474689	50.000	ug/l	100
83) tert-Butylbenzene	13.05	119	2864912	50.000	ug/l	100
84) 1,2,4-Trimethylbenzene	13.09	105	2611369	50.000	ug/l	100
85) sec-Butylbenzene	13.22	105	3566437	50.000	ug/l	100
86) p-Isopropyltoluene	13.35	119	2788269	50.000	ug/l	100
87) 1,3-Dichlorobenzene	13.32	146	1582526	50.000	ug/l	100
88) 1,4-Dichlorobenzene	13.39	146	1561784	50.000	ug/l	100
89) n-Butylbenzene	13.65	91	2848554	50.000	ug/l	100
90) Hexachloroethane	13.86	117	708568	50.000	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1256628	50.000	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.22	75	63973	50.000	ug/l	100

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
Data File : VD060656.D
Acq On : 20 Dec 2018 13:26
Operator : VA/AP
Sample : VSTDICCC050
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

apatel
12/21/2018 11:32:38 AM

Quant Time: Dec 20 14:58:40 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 14:42:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1040855	50.000	ug/l	100
94) Hexachlorobutadiene	14.88	225	749215	50.000	ug/l	100
95) Naphthalene	14.97	128	1267134	50.000	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	819133	50.000	ug/l	100

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

