

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063188.D
 Acq On : 22 Jul 2019 20:25
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 10:40:06 AM

Quant Time: Jul 23 08:51:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	709501	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	995565	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	818653	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	486986	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	427695	48.39	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.78%	
35) Dibromofluoromethane	6.94	113	472440	47.64	ug/l	0.02
Spiked Amount 50.000			Recovery	=	95.28%	
50) Toluene-d8	10.42	98	961556	45.14	ug/l	0.02
Spiked Amount 50.000			Recovery	=	90.28%	
62) 4-Bromofluorobenzene	13.56	95	469624	47.66	ug/l	0.01
Spiked Amount 50.000			Recovery	=	95.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	333722	44.236	ug/l	100
3) Chloromethane	1.75	50	293985	45.469	ug/l #	89
4) Vinyl Chloride	1.85	62	291196	38.455	ug/l	99
5) Bromomethane	2.15	94	156914	54.664	ug/l	95
6) Chloroethane	2.27	64	155224	44.129	ug/l #	83
7) Trichlorofluoromethane	2.54	101	619917	40.441	ug/l	99
8) Diethyl Ether	2.88	74	92158	42.739	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	366870	41.506	ug/l	94
10) Methyl Iodide	3.30	142	479456	44.184	ug/l	98
11) Tert butyl alcohol	4.09	59	91671	179.725	ug/l #	90
12) 1,1-Dichloroethene	3.14	96	268187	42.727	ug/l	93
13) Acrolein	3.05	56	9735	63.237	ug/l	91
14) Allyl chloride	3.63	41	422821	42.862	ug/l	99
15) Acrylonitrile	4.21	53	247452	219.470	ug/l	100
16) Acetone	3.23	43	371806	174.174	ug/l	99
17) Carbon Disulfide	3.38	76	680183	37.859	ug/l	99
18) Methyl Acetate	3.65	43	148045	51.834	ug/l #	83
19) Methyl tert-butyl Ether	4.25	73	668248	42.175	ug/l	97
20) Methylene Chloride	3.83	84	314806	39.035	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	312828	44.896	ug/l	85
22) Diisopropyl ether	5.14	45	955175	44.535	ug/l	96
23) Vinyl Acetate	5.07	43	2814468	224.923	ug/l	99
24) 1,1-Dichloroethane	5.00	63	598730	45.319	ug/l	97
25) 2-Butanone	6.09	43	404006	198.193	ug/l #	92
26) 2,2-Dichloropropane	6.04	77	592746	40.539	ug/l	91
27) cis-1,2-Dichloroethene	6.05	96	357937	45.158	ug/l	91
28) Bromochloromethane	6.45	49	221877	46.291	ug/l	97
29) Tetrahydrofuran	6.47	42	191803	207.569	ug/l	99
30) Chloroform	6.68	83	740117	45.487	ug/l	96
31) Cyclohexane	6.97	56	341344	40.570	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	728961	45.434	ug/l	98
36) 1,1-Dichloropropene	7.15	75	449309	40.128	ug/l	93
37) Ethyl Acetate	6.19	43	193249	40.328	ug/l	100
38) Carbon Tetrachloride	7.12	117	656425m	38.582	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063188.D
 Acq On : 22 Jul 2019 20:25
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 10:40:06 AM

Quant Time: Jul 23 08:51:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	357471	36.928	ug/l	96
40) Benzene	7.47	78	1014449	43.258	ug/l	98
41) Methacrylonitrile	6.45	41	254016	39.099	ug/l	93
42) 1,2-Dichloroethane	7.59	62	513380	41.091	ug/l	99
43) Isopropyl Acetate	9.25	43	253675	36.932	ug/l	91
44) Trichloroethene	8.55	130	401756	44.329	ug/l	99
45) 1,2-Dichloropropane	8.94	63	247147	42.270	ug/l	89
46) Dibromomethane	9.07	93	198011	39.410	ug/l	90
47) Bromodichloromethane	9.39	83	563475	42.977	ug/l #	91
48) Methyl methacrylate	9.13	41	182365	40.430	ug/l #	92
49) 1,4-Dioxane	9.09	88	32823	843.771	ug/l #	90
51) 4-Methyl-2-Pentanone	10.31	43	935064	205.254	ug/l	99
52) Toluene	10.52	92	642335	41.018	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	438480	39.035	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	473066	40.730	ug/l	92
55) 1,1,2-Trichloroethane	11.20	97	242303	44.773	ug/l	95
56) Ethyl methacrylate	11.05	69	258511	42.753	ug/l	95
57) 1,3-Dichloropropane	11.42	76	341890	41.518	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	748125	222.208	ug/l	95
59) 2-Hexanone	11.53	43	650805	185.237	ug/l	98
60) Dibromochloromethane	11.69	129	432786	41.719	ug/l	94
61) 1,2-Dibromoethane	11.81	107	276674	42.711	ug/l	93
64) Tetrachloroethene	11.27	164	347573	43.755	ug/l	95
65) Chlorobenzene	12.40	112	815477	42.375	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	386910	43.365	ug/l	98
67) Ethyl Benzene	12.53	91	1414563	42.305	ug/l	98
68) m/p-Xylenes	12.68	106	937463	78.277	ug/l	96
69) o-Xylene	13.05	106	442472	38.964	ug/l	87
70) Styrene	13.08	104	821551	41.331	ug/l	97
71) Bromoform	13.24	173	280453	44.898	ug/l	99
73) Isopropylbenzene	13.40	105	1539964	40.947	ug/l	96
74) N-amyl acetate	13.27	43	366380	34.931	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	255076	37.277	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	275908	36.831	ug/l	97
77) Bromobenzene	13.67	156	414029	38.821	ug/l	87
78) n-propylbenzene	13.78	91	1586665	36.661	ug/l	99
79) 2-Chlorotoluene	13.85	91	959879	36.682	ug/l	90
80) 1,3,5-Trimethylbenzene	13.94	105	1275287	38.907	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	69081	35.018	ug/l	88
82) 4-Chlorotoluene	13.95	91	1259518	41.219	ug/l	86
83) tert-Butylbenzene	14.19	119	1311554	35.388	ug/l	88
84) 1,2,4-Trimethylbenzene	14.24	105	1259208	38.534	ug/l	97
85) sec-Butylbenzene	14.37	105	1496358	38.000	ug/l	98
86) p-Isopropyltoluene	14.50	119	1414042	38.494	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	682382	35.827	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	760695	41.660	ug/l	95
89) n-Butylbenzene	14.80	91	1326699	39.184	ug/l	99
90) Hexachloroethane	15.01	117	384406	39.145	ug/l	82
91) 1,2-Dichlorobenzene	14.81	146	671214	39.576	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	50895	38.804	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
Data File : VD063188.D
Acq On : 22 Jul 2019 20:25
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
7/23/2019 10:40:06 AM

Quant Time: Jul 23 08:51:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	491147	38.546	ug/l	96
94) Hexachlorobutadiene	16.04	225	372723	39.686	ug/l	98
95) Naphthalene	16.12	128	741570	39.787	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	400767	39.099	ug/l	97

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

