

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122719\
 Data File : VD064637.D
 Acq On : 27 Dec 2019 11:33
 Operator : VA/SY
 Sample : VD1227SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Manual Integrations
 APPROVED

Quant Time: Dec 30 01:20:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	416546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	607523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	531377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	260355	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	172595	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
35) Dibromofluoromethane	7.92	113	176422	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
50) Toluene-d8	10.34	98	681472	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
62) 4-Bromofluorobenzene	12.64	95	210997	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	

apatel

12/30/2019 11:03:07 AM

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	62901	19.431	ug/l	91
3) Chloromethane	2.21	50	88499	19.548	ug/l	100
4) Vinyl Chloride	2.35	62	109639	19.862	ug/l	99
5) Bromomethane	2.76	94	76520	19.065	ug/l	94
6) Chloroethane	2.92	64	72777	19.676	ug/l	99
7) Trichlorofluoromethane	3.27	101	187822	20.208	ug/l	96
8) Diethyl Ether	3.70	74	33782	18.303	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	73597	19.120	ug/l	98
10) Methyl Iodide	4.30	142	79141	19.141	ug/l	99
11) Tert butyl alcohol	5.25	59	19293	91.651	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	71862	19.609	ug/l	98
13) Acrolein	3.92	56	23926	81.556	ug/l	97
14) Allyl chloride	4.71	41	109284	19.126	ug/l	98
15) Acrylonitrile	5.43	53	71177	92.582	ug/l	98
16) Acetone	4.17	43	70698	87.427	ug/l	97
17) Carbon Disulfide	4.40	76	224106	18.912	ug/l	99
18) Methyl Acetate	4.72	43	38637	18.684	ug/l #	73
19) Methyl tert-butyl Ether	5.48	73	150008	18.429	ug/l	93
20) Methylene Chloride	4.97	84	80499	18.334	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	82013	19.651	ug/l	99
22) Diisopropyl ether	6.37	45	218153	19.142	ug/l	94
23) Vinyl Acetate	6.31	43	603532	93.356	ug/l	99
24) 1,1-Dichloroethane	6.27	63	135437	19.796	ug/l	97
25) 2-Butanone	7.22	43	91506	90.633	ug/l	96
26) 2,2-Dichloropropane	7.21	77	124469	19.567	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	86709	19.251	ug/l	99
28) Bromochloromethane	7.55	49	47532	17.872	ug/l	100
29) Tetrahydrofuran	7.57	42	58463	93.114	ug/l	98
30) Chloroform	7.71	83	141671	19.736	ug/l	96
31) Cyclohexane	7.98	56	129033	18.841	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	132668	19.677	ug/l	98
36) 1,1-Dichloropropene	8.11	75	111872	19.132	ug/l	99
37) Ethyl Acetate	7.30	43	41824	18.207	ug/l	96
38) Carbon Tetrachloride	8.10	117	120202	19.278	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122719\
 Data File : VD064637.D
 Acq On : 27 Dec 2019 11:33
 Operator : VA/SY
 Sample : VD1227SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Manual Integrations
 APPROVED

Quant Time: Dec 30 01:20:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	135851	19.182	ug/l	98
40) Benzene	8.36	78	304862	19.098	ug/l	97
41) Methacrylonitrile	7.53	41	26550	19.920	ug/l	96
42) 1,2-Dichloroethane	8.43	62	87451	18.958	ug/l	99
43) Isopropyl Acetate	8.46	43	79609	17.411	ug/l	97
44) Trichloroethene	9.11	130	90345	19.266	ug/l	100
45) 1,2-Dichloropropane	9.39	63	75882	19.910	ug/l	97
46) Dibromomethane	9.48	93	39429	18.555	ug/l	98
47) Bromodichloromethane	9.67	83	108381	19.168	ug/l	95
48) Methyl methacrylate	9.46	41	37164	17.262	ug/l	91
49) 1,4-Dioxane	9.47	88	9196	375.317	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	205273	90.829	ug/l	99
52) Toluene	10.40	92	197030	18.814	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	96201	18.249	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	119225	19.180	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	54742	19.116	ug/l	94
56) Ethyl methacrylate	10.66	69	64786	18.115	ug/l	98
57) 1,3-Dichloropropane	10.95	76	91884	18.635	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	135312	99.305	ug/l	99
59) 2-Hexanone	10.98	43	137504	89.643	ug/l	100
60) Dibromochloromethane	11.14	129	73044	18.445	ug/l	97
61) 1,2-Dibromoethane	11.25	107	53541	18.956	ug/l	99
64) Tetrachloroethene	10.87	164	77975	19.127	ug/l	96
65) Chlorobenzene	11.67	112	210521	19.089	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	79117	19.029	ug/l	100
67) Ethyl Benzene	11.74	91	378073	18.887	ug/l	99
68) m/p-Xylenes	11.86	106	288898	37.391	ug/l	100
69) o-Xylene	12.18	106	130909	18.758	ug/l	99
70) Styrene	12.20	104	228005	18.613	ug/l	99
71) Bromoform	12.37	173	44213	18.647	ug/l	99
73) Isopropylbenzene	12.48	105	359676	19.332	ug/l	100
74) N-amyl acetate	12.29	43	73391	18.453	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	56484	19.326	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	42238m	20.545	ug/l	
77) Bromobenzene	12.77	156	88765	19.416	ug/l	98
78) n-propylbenzene	12.83	91	422354	19.458	ug/l	99
79) 2-Chlorotoluene	12.91	91	228848	19.193	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	295707	19.348	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18130	18.443	ug/l	98
82) 4-Chlorotoluene	13.01	91	242956	19.147	ug/l	99
83) tert-Butylbenzene	13.23	119	252048	18.994	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	290749	19.101	ug/l	98
85) sec-Butylbenzene	13.41	105	351938	19.345	ug/l	99
86) p-Isopropyltoluene	13.52	119	326536	18.771	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	164971	18.929	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	166263	19.420	ug/l	99
89) n-Butylbenzene	13.85	91	298490	19.054	ug/l	99
90) Hexachloroethane	14.12	117	65453	19.698	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	141141	18.993	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	8483	17.904	ug/l	96

12/30/2019 11:03:07 AM

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122719\
Data File : VD064637.D
Acq On : 27 Dec 2019 11:33
Operator : VA/SY
Sample : VD1227SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

Manual Integrations
APPROVED

Quant Time: Dec 30 01:20:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	100999	18.458	ug/l	97
94) Hexachlorobutadiene	15.28	225	64672	18.782	ug/l	98
95) Naphthalene	15.41	128	156255	18.051	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	85936	18.397	ug/l	98

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

12/30/2019 11:03:07 AM

