

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064341.D
 Acq On : 22 Nov 2019 12:13
 Operator : VA/SY
 Sample : VD1122SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1122SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 1:34:43 AM

Quant Time: Nov 23 01:04:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	543004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	779603	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	669715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	325196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	201383	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	
35) Dibromofluoromethane	7.92	113	216017	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	10.34	98	807158	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
62) 4-Bromofluorobenzene	12.64	95	262871	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	84413	18.744	ug/l	95
3) Chloromethane	2.21	50	100549	20.815	ug/l	95
4) Vinyl Chloride	2.35	62	125324	24.261	ug/l	97
5) Bromomethane	2.76	94	83501	25.599	ug/l	94
6) Chloroethane	2.92	64	82783	25.080	ug/l	96
7) Trichlorofluoromethane	3.27	101	216813	25.888	ug/l	97
8) Diethyl Ether	3.70	74	44525	19.335	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	100391	20.972	ug/l	99
10) Methyl Iodide	4.30	142	91283	18.058	ug/l	97
11) Tert butyl alcohol	5.25	59	28943	92.789	ug/l	96
12) 1,1-Dichloroethene	4.06	96	93176	20.421	ug/l	98
13) Acrolein	3.93	56	17184	65.121	ug/l	94
14) Allyl chloride	4.70	41	145417	18.025	ug/l	94
15) Acrylonitrile	5.43	53	93841	95.588	ug/l	98
16) Acetone	4.16	43	83978	79.376	ug/l	97
17) Carbon Disulfide	4.40	76	257733	18.138	ug/l	97
18) Methyl Acetate	4.73	43	55077	18.639	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	201786	18.525	ug/l	93
20) Methylene Chloride	4.96	84	102918	19.258	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	103081	19.940	ug/l	92
22) Diisopropyl ether	6.37	45	278174	18.584	ug/l	97
23) Vinyl Acetate	6.31	43	778028	93.247	ug/l	97
24) 1,1-Dichloroethane	6.26	63	173493	19.962	ug/l	97
25) 2-Butanone	7.22	43	120990	88.518	ug/l	99
26) 2,2-Dichloropropane	7.21	77	161320	18.927	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110025	19.847	ug/l	96
28) Bromochloromethane	7.54	49	49896	16.490	ug/l	99
29) Tetrahydrofuran	7.57	42	77735	94.657	ug/l	98
30) Chloroform	7.71	83	187235	21.061	ug/l	96
31) Cyclohexane	7.98	56	165635	18.897	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	165829	19.481	ug/l	99
36) 1,1-Dichloropropene	8.11	75	144624	20.100	ug/l	100
37) Ethyl Acetate	7.30	43	55040	18.145	ug/l #	94
38) Carbon Tetrachloride	8.10	117	154434	20.059	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064341.D
 Acq On : 22 Nov 2019 12:13
 Operator : VA/SY
 Sample : VD1122SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1122SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 1:34:43 AM

Quant Time: Nov 23 01:04:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	177679	19.516	ug/l	95
40) Benzene	8.35	78	391777	19.923	ug/l	99
41) Methacrylonitrile	7.53	41	29055	15.240	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	113232	19.172	ug/l	100
43) Isopropyl Acetate	8.46	43	110982	17.758	ug/l	98
44) Trichloroethene	9.11	130	117723	19.947	ug/l	98
45) 1,2-Dichloropropane	9.39	63	91972	19.216	ug/l	94
46) Dibromomethane	9.48	93	50815	19.831	ug/l	97
47) Bromodichloromethane	9.66	83	133218	19.301	ug/l	99
48) Methyl methacrylate	9.46	41	52153	17.066	ug/l	99
49) 1,4-Dioxane	9.47	88	12176	395.664	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	271774	90.681	ug/l	99
52) Toluene	10.41	92	255661	19.772	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	125155	18.100	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	151919	18.828	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	68884	19.817	ug/l	93
56) Ethyl methacrylate	10.67	69	89033	18.310	ug/l	96
57) 1,3-Dichloropropane	10.95	76	120758	19.920	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	188069	95.483	ug/l	98
59) 2-Hexanone	10.99	43	186841	87.627	ug/l	99
60) Dibromochloromethane	11.14	129	93917	19.363	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69316	19.909	ug/l	98
64) Tetrachloroethene	10.88	164	102277	19.857	ug/l	98
65) Chlorobenzene	11.67	112	272053	19.976	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	105781	20.427	ug/l	98
67) Ethyl Benzene	11.75	91	490833	19.925	ug/l	98
68) m/p-Xylenes	11.86	106	372140	39.412	ug/l	99
69) o-Xylene	12.18	106	169340	19.337	ug/l	97
70) Styrene	12.20	104	298521	19.529	ug/l	98
71) Bromoform	12.37	173	56561	19.192	ug/l #	100
73) Isopropylbenzene	12.48	105	486761	20.393	ug/l	99
74) N-amyl acetate	12.30	43	98705	17.511	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	74144	20.615	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	50949m	19.451	ug/l	
77) Bromobenzene	12.77	156	116867	20.153	ug/l	97
78) n-propylbenzene	12.83	91	546150	20.027	ug/l	100
79) 2-Chlorotoluene	12.91	91	299827	19.474	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	387717	19.768	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22328	16.932	ug/l	97
82) 4-Chlorotoluene	13.01	91	308519	19.212	ug/l	96
83) tert-Butylbenzene	13.23	119	341934	19.771	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	387102	19.991	ug/l	100
85) sec-Butylbenzene	13.41	105	464244	19.986	ug/l	99
86) p-Isopropyltoluene	13.53	119	437272	19.801	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	217115	20.170	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	212012	20.180	ug/l	98
89) n-Butylbenzene	13.86	91	404238	20.262	ug/l	99
90) Hexachloroethane	14.12	117	80623	19.755	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	185149	20.321	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12361	19.222	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
Data File : VD064341.D
Acq On : 22 Nov 2019 12:13
Operator : VA/SY
Sample : VD1122SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Manual Integrations
APPROVED

MMDadoda
11/26/2019 1:34:43 AM

Quant Time: Nov 23 01:04:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	141717	20.164	ug/l	100
94) Hexachlorobutadiene	15.28	225	92777	20.437	ug/l	98
95) Naphthalene	15.41	128	228010	19.790	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	119927	20.074	ug/l	99

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

