

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065269.D
 Acq On : 21 Feb 2020 12:17
 Operator : VA/SY
 Sample : VD0221SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:08:47 AM

Quant Time: Feb 22 02:33:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	501285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	755940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	670160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	325772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	202583	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	
35) Dibromofluoromethane	7.92	113	212465	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	
50) Toluene-d8	10.34	98	865077	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.64	95	265820	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75501	17.957	ug/l	97
3) Chloromethane	2.21	50	101131	18.898	ug/l	97
4) Vinyl Chloride	2.36	62	102443	18.825	ug/l	100
5) Bromomethane	2.77	94	62637	19.037	ug/l	95
6) Chloroethane	2.93	64	65144	19.612	ug/l	98
7) Trichlorofluoromethane	3.27	101	148262	19.030	ug/l	97
8) Diethyl Ether	3.71	74	43615	18.546	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	98282	19.976	ug/l	99
10) Methyl Iodide	4.30	142	94009	18.403	ug/l	99
11) Tert butyl alcohol	5.24	59	25812	95.786	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	90763	19.529	ug/l	98
13) Acrolein	3.93	56	35516	88.724	ug/l	100
14) Allyl chloride	4.72	41	142176	18.838	ug/l	99
15) Acrylonitrile	5.44	53	91863	88.229	ug/l	99
16) Acetone	4.16	43	91773	83.251	ug/l	98
17) Carbon Disulfide	4.40	76	298535	19.159	ug/l	98
18) Methyl Acetate	4.73	43	44178	17.819	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	167063	17.237	ug/l	99
20) Methylene Chloride	4.97	84	111251	19.895	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	103512	19.591	ug/l	99
22) Diisopropyl ether	6.37	45	275846	18.959	ug/l	98
23) Vinyl Acetate	6.31	43	682572	85.096	ug/l	100
24) 1,1-Dichloroethane	6.27	63	177073	19.621	ug/l	98
25) 2-Butanone	7.23	43	113818	81.605	ug/l	95
26) 2,2-Dichloropropane	7.21	77	153086	19.551	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	107851	19.271	ug/l	98
28) Bromochloromethane	7.55	49	56247	16.800	ug/l	99
29) Tetrahydrofuran	7.57	42	69075	84.526	ug/l	99
30) Chloroform	7.71	83	171456	18.858	ug/l	100
31) Cyclohexane	7.98	56	170215	19.197	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	158352	19.466	ug/l	100
36) 1,1-Dichloropropene	8.11	75	144725	19.676	ug/l	99
37) Ethyl Acetate	7.30	43	50591	16.453	ug/l	97
38) Carbon Tetrachloride	8.10	117	149408	19.954	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065269.D
 Acq On : 21 Feb 2020 12:17
 Operator : VA/SY
 Sample : VD0221SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0221SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:08:47 AM

Quant Time: Feb 22 02:33:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	167488	19.369	ug/l	96
40) Benzene	8.36	78	399735	19.254	ug/l	98
41) Methacrylonitrile	7.53	41	31816	17.920	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	102282	17.921	ug/l	98
43) Isopropyl Acetate	8.46	43	93396	16.703	ug/l	97
44) Trichloroethene	9.11	130	114554	19.905	ug/l	94
45) 1,2-Dichloropropane	9.39	63	98542	19.088	ug/l	100
46) Dibromomethane	9.48	93	47949	18.052	ug/l	98
47) Bromodichloromethane	9.67	83	128019	18.289	ug/l	99
48) Methyl methacrylate	9.46	41	48167	18.636	ug/l	94
49) 1,4-Dioxane	9.47	88	9894	317.595	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	236092	83.130	ug/l	99
52) Toluene	10.41	92	255421	19.876	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	115641	17.823	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	146097	18.647	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	66929	17.902	ug/l	97
56) Ethyl methacrylate	10.67	69	72574	16.818	ug/l	99
57) 1,3-Dichloropropane	10.95	76	116393	18.292	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	115362	84.798	ug/l	100
59) 2-Hexanone	10.99	43	163446	80.396	ug/l	100
60) Dibromochloromethane	11.14	129	88566	18.509	ug/l	100
61) 1,2-Dibromoethane	11.25	107	62307	17.602	ug/l	98
64) Tetrachloroethene	10.88	164	97516	20.517	ug/l	97
65) Chlorobenzene	11.67	112	263672	19.606	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	95207	18.971	ug/l	97
67) Ethyl Benzene	11.75	91	470305	19.967	ug/l	100
68) m/p-Xylenes	11.86	106	361882	40.158	ug/l	98
69) o-Xylene	12.18	106	157448	19.721	ug/l	99
70) Styrene	12.20	104	282397	19.923	ug/l	99
71) Bromoform	12.37	173	49602	17.811	ug/l #	100
73) Isopropylbenzene	12.48	105	441367	20.464	ug/l	100
74) N-amyl acetate	12.30	43	79595	16.608	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	71074	18.259	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	46445m	16.756	ug/l	
77) Bromobenzene	12.77	156	103523	19.330	ug/l	98
78) n-propylbenzene	12.83	91	539045	20.798	ug/l	99
79) 2-Chlorotoluene	12.91	91	294756	20.301	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	369808	20.818	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	22298	17.370	ug/l	97
82) 4-Chlorotoluene	13.01	91	313637	20.347	ug/l	99
83) tert-Butylbenzene	13.23	119	297532	19.984	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	364146	20.481	ug/l	98
85) sec-Butylbenzene	13.41	105	437064	20.373	ug/l	100
86) p-Isopropyltoluene	13.53	119	401473	20.464	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	200542	19.369	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	202046	19.773	ug/l	98
89) n-Butylbenzene	13.86	91	373035	20.634	ug/l	99
90) Hexachloroethane	14.12	117	79096	19.856	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	169944	19.116	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9820	16.371	ug/l	91

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022120\
Data File : VD065269.D
Acq On : 21 Feb 2020 12:17
Operator : VA/SY
Sample : VD0221SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0221SBS01

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:47 AM

Quant Time: Feb 22 02:33:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	112014	19.263	ug/l	97
94) Hexachlorobutadiene	15.28	225	75543	20.251	ug/l	98
95) Naphthalene	15.41	128	162952	17.237	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	95846	18.872	ug/l	97

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

