

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067374.D
 Acq On : 23 Oct 2020 11:36
 Operator : VA/SY
 Sample : VD1023SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Manual Integrations
 APPROVED

MMDadoda

10/26/2020 1:37:42 PM

Quant Time: Oct 24 07:33:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	313198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	457997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	434449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	217309	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	154385	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	7.92	113	163589	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
50) Toluene-d8	10.34	98	570783	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.64	95	199386	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52331	18.019	ug/l	85
3) Chloromethane	2.21	50	38449	19.506	ug/l	95
4) Vinyl Chloride	2.35	62	42911	19.841	ug/l	94
5) Bromomethane	2.76	94	33612	20.970	ug/l	91
6) Chloroethane	2.92	64	26021	19.319	ug/l	92
7) Trichlorofluoromethane	3.27	101	111035	20.389	ug/l	99
8) Diethyl Ether	3.71	74	24838	19.931	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	59323	20.503	ug/l	99
10) Methyl Iodide	4.30	142	53272	19.959	ug/l	95
11) Tert butyl alcohol	5.24	59	18448m	82.541	ug/l	
12) 1,1-Dichloroethene	4.07	96	51980	20.109	ug/l	91
13) Acrolein	3.93	56	9243	66.681	ug/l	94
14) Allyl chloride	4.72	41	56787	19.184	ug/l	99
15) Acrylonitrile	5.43	53	45280	108.895	ug/l	98
16) Acetone	4.16	43	45849	104.334	ug/l	93
17) Carbon Disulfide	4.41	76	142040	19.275	ug/l	100
18) Methyl Acetate	4.72	43	21002	20.953	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	107515	20.918	ug/l	100
20) Methylene Chloride	4.97	84	62147	19.324	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	59686	20.065	ug/l #	84
22) Diisopropyl ether	6.36	45	118564	21.926	ug/l	98
23) Vinyl Acetate	6.30	43	324198	105.380	ug/l	97
24) 1,1-Dichloroethane	6.27	63	95484	20.628	ug/l	97
25) 2-Butanone	7.21	43	52492	104.790	ug/l	98
26) 2,2-Dichloropropane	7.21	77	99420	20.838	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	65407	20.063	ug/l	97
28) Bromochloromethane	7.55	49	30366	19.233	ug/l #	96
29) Tetrahydrofuran	7.57	42	29667	106.542	ug/l	98
30) Chloroform	7.71	83	114764	20.754	ug/l	92
31) Cyclohexane	7.98	56	72380	20.027	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	113121	20.850	ug/l	98
36) 1,1-Dichloropropene	8.11	75	82832	21.338	ug/l	98
37) Ethyl Acetate	7.30	43	23281	20.384	ug/l #	95
38) Carbon Tetrachloride	8.10	117	105992	21.364	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067374.D
 Acq On : 23 Oct 2020 11:36
 Operator : VA/SY
 Sample : VD1023SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1023SBS01

Manual Integrations
 APPROVED

MMDadoda

10/26/2020 1:37:42 PM

Quant Time: Oct 24 07:33:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	82825	20.409	ug/l	99
40) Benzene	8.36	78	232182	21.802	ug/l	100
41) Methacrylonitrile	7.53	41	13815m	22.384	ug/l	
42) 1,2-Dichloroethane	8.43	62	75382	22.619	ug/l	99
43) Isopropyl Acetate	8.46	43	49864	22.003	ug/l	98
44) Trichloroethene	9.11	130	74841	21.950	ug/l	88
45) 1,2-Dichloropropane	9.39	63	53245	21.574	ug/l	99
46) Dibromomethane	9.48	93	32948	21.426	ug/l	96
47) Bromodichloromethane	9.67	83	90044	21.856	ug/l	97
48) Methyl methacrylate	9.46	41	22586	20.508	ug/l	98
49) 1,4-Dioxane	9.47	88	6198	398.224	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	124329	109.994	ug/l	98
52) Toluene	10.41	92	157657	21.736	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	78865	21.791	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	92461	21.830	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	45680	21.784	ug/l	91
56) Ethyl methacrylate	10.66	69	47676	21.923	ug/l	99
57) 1,3-Dichloropropane	10.95	76	72900	21.845	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	122181	109.517	ug/l	99
59) 2-Hexanone	10.99	43	84959	109.995	ug/l	98
60) Dibromochloromethane	11.14	129	68399	22.367	ug/l	99
61) 1,2-Dibromoethane	11.25	107	45720	22.116	ug/l	99
64) Tetrachloroethene	10.88	164	68946	21.903	ug/l	91
65) Chlorobenzene	11.67	112	177850	21.348	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	71656	21.641	ug/l	99
67) Ethyl Benzene	11.75	91	301684	21.125	ug/l	98
68) m/p-Xylenes	11.86	106	236147	42.941	ug/l	98
69) o-Xylene	12.18	106	108585	21.323	ug/l	94
70) Styrene	12.20	104	188976	21.557	ug/l	99
71) Bromoform	12.37	173	38106	21.422	ug/l #	93
73) Isopropylbenzene	12.48	105	301173	21.837	ug/l	99
74) N-amyl acetate	12.29	43	44577	21.400	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	45624	21.590	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	28966m	19.232	ug/l	
77) Bromobenzene	12.76	156	75544	21.970	ug/l	99
78) n-propylbenzene	12.83	91	345266	21.607	ug/l	99
79) 2-Chlorotoluene	12.91	91	199391	21.516	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	260258	21.715	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	14580	21.952	ug/l	96
82) 4-Chlorotoluene	13.01	91	217017	22.065	ug/l	99
83) tert-Butylbenzene	13.23	119	223266	22.053	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	264102	22.295	ug/l	99
85) sec-Butylbenzene	13.41	105	304453	21.916	ug/l	100
86) p-Isopropyltoluene	13.52	119	289445	22.075	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	144684	21.861	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	143825	21.934	ug/l	98
89) n-Butylbenzene	13.85	91	246805	21.396	ug/l	98
90) Hexachloroethane	14.11	117	49466	21.619	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	126327	21.850	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8714	22.698	ug/l	93

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102320\
Data File : VD067374.D
Acq On : 23 Oct 2020 11:36
Operator : VA/SY
Sample : VD1023SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Manual Integrations
APPROVED

MMDadoda

10/26/2020 1:37:42 PM

Quant Time: Oct 24 07:33:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	85734	21.994	ug/l	99
94) Hexachlorobutadiene	15.27	225	53340	22.035	ug/l	98
95) Naphthalene	15.41	128	138976	21.715	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	75679	22.472	ug/l	96

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

