

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066842.D
 Acq On : 24 Sep 2020 11:09
 Operator : VA/SY
 Sample : VD0924SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2020 4:00:00 PM

Quant Time: Sep 25 01:24:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	393604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	633617	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	586493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279693	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	187104	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
35) Dibromofluoromethane	7.91	113	189037	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
50) Toluene-d8	10.34	98	679308	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.63	95	234576	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72196	23.185	ug/l	99
3) Chloromethane	2.21	50	78792	21.787	ug/l	99
4) Vinyl Chloride	2.35	62	78105	21.861	ug/l	97
5) Bromomethane	2.76	94	52752	21.007	ug/l	98
6) Chloroethane	2.93	64	45500	20.508	ug/l	99
7) Trichlorofluoromethane	3.27	101	152659	20.805	ug/l	96
8) Diethyl Ether	3.71	74	36515	19.602	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.09	101	88680	20.843	ug/l	98
10) Methyl Iodide	4.30	142	79409	21.150	ug/l	99
11) Tert butyl alcohol	5.22	59	27823	88.703	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	79826	20.711	ug/l	98
13) Acrolein	3.93	56	25416	89.432	ug/l	98
14) Allyl chloride	4.71	41	111876	19.767	ug/l	98
15) Acrylonitrile	5.42	53	84213	102.013	ug/l	97
16) Acetone	4.16	43	70600	86.389	ug/l	94
17) Carbon Disulfide	4.41	76	244533	20.752	ug/l	97
18) Methyl Acetate	4.73	43	39301	19.327	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	163063	19.481	ug/l	94
20) Methylene Chloride	4.96	84	105855	20.574	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	92647	20.760	ug/l	98
22) Diisopropyl ether	6.36	45	241999	20.796	ug/l	97
23) Vinyl Acetate	6.30	43	569071	91.781	ug/l	98
24) 1,1-Dichloroethane	6.26	63	155869	20.022	ug/l	97
25) 2-Butanone	7.21	43	93100	94.797	ug/l	95
26) 2,2-Dichloropropane	7.21	77	141314	19.805	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	99668	20.555	ug/l	99
28) Bromochloromethane	7.54	49	65052	20.227	ug/l	98
29) Tetrahydrofuran	7.56	42	61446	97.645	ug/l	98
30) Chloroform	7.71	83	172345	20.538	ug/l	98
31) Cyclohexane	7.98	56	136793	19.529	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	154928	20.409	ug/l	99
36) 1,1-Dichloropropene	8.11	75	128586	20.456	ug/l	98
37) Ethyl Acetate	7.29	43	46953	20.662	ug/l	99
38) Carbon Tetrachloride	8.09	117	144413	21.014	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066842.D
 Acq On : 24 Sep 2020 11:09
 Operator : VA/SY
 Sample : VD0924SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2020 4:00:00 PM

Quant Time: Sep 25 01:24:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	144267	19.989	ug/l	89
40) Benzene	8.34	78	368126	21.013	ug/l	95
41) Methacrylonitrile	7.53	41	27134m	19.416	ug/l	
42) 1,2-Dichloroethane	8.42	62	107910	20.836	ug/l	99
43) Isopropyl Acetate	8.45	43	84953	19.391	ug/l	100
44) Trichloroethene	9.11	130	103217	20.670	ug/l	100
45) 1,2-Dichloropropane	9.38	63	89425	20.288	ug/l	97
46) Dibromomethane	9.47	93	49875	20.826	ug/l	98
47) Bromodichloromethane	9.66	83	131568	20.451	ug/l	98
48) Methyl methacrylate	9.45	41	43701	20.231	ug/l	91
49) 1,4-Dioxane	9.46	88	11703	365.020	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	218740	98.534	ug/l	98
52) Toluene	10.40	92	239764	21.247	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	107624	19.655	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	136279	20.411	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	66054	20.064	ug/l	93
56) Ethyl methacrylate	10.66	69	69610	19.737	ug/l	98
57) 1,3-Dichloropropane	10.94	76	115646	21.273	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	194051	116.200	ug/l	97
59) 2-Hexanone	10.98	43	143708	95.992	ug/l	99
60) Dibromochloromethane	11.14	129	88638	20.629	ug/l	98
61) 1,2-Dibromoethane	11.24	107	64164	20.954	ug/l	98
64) Tetrachloroethene	10.87	164	89163	21.135	ug/l	94
65) Chlorobenzene	11.67	112	250206	20.495	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	96317	20.845	ug/l	97
67) Ethyl Benzene	11.74	91	431226	20.112	ug/l	100
68) m/p-Xylenes	11.85	106	342538	42.195	ug/l	99
69) o-Xylene	12.18	106	148813	20.273	ug/l	99
70) Styrene	12.20	104	267200	20.960	ug/l	99
71) Bromoform	12.36	173	46645	19.939	ug/l #	100
73) Isopropylbenzene	12.48	105	407020	20.145	ug/l	99
74) N-amyl acetate	12.28	43	78018	19.773	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	68118	19.538	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	52444m	22.626	ug/l	
77) Bromobenzene	12.76	156	96105	20.338	ug/l	99
78) n-propylbenzene	12.82	91	498691	20.516	ug/l	99
79) 2-Chlorotoluene	12.91	91	283947	20.499	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	349125	20.364	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	16763	18.094	ug/l	99
82) 4-Chlorotoluene	13.01	91	308621	21.136	ug/l	99
83) tert-Butylbenzene	13.23	119	288664	20.490	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	354092	20.828	ug/l	99
85) sec-Butylbenzene	13.40	105	416093	20.539	ug/l	98
86) p-Isopropyltoluene	13.52	119	384100	21.034	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	188409	20.181	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	190170	20.509	ug/l	99
89) n-Butylbenzene	13.85	91	351233	20.236	ug/l	99
90) Hexachloroethane	14.11	117	73442	19.810	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	160867	20.140	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11071	19.740	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092420\
Data File : VD066842.D
Acq On : 24 Sep 2020 11:09
Operator : VA/SY
Sample : VD0924SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Manual Integrations
APPROVED

MMDadoda
9/25/2020 4:00:00 PM

Quant Time: Sep 25 01:24:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	105446	20.971	ug/l	94
94) Hexachlorobutadiene	15.27	225	61901	20.544	ug/l	99
95) Naphthalene	15.41	128	161015	18.862	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	88169	20.316	ug/l	98

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

