

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067373.D
 Acq On : 23 Oct 2020 11:10
 Operator : VA/SY
 Sample : VD1023SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:37:40 PM

Quant Time: Oct 24 07:31:46 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	305770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	448386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	416978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	214212	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	157645	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
35) Dibromofluoromethane	7.92	113	159771	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
50) Toluene-d8	10.34	98	580086	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
62) 4-Bromofluorobenzene	12.64	95	201881	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	54371	19.484	ug/l	92
3) Chloromethane	2.21	50	39539	20.547	ug/l #	88
4) Vinyl Chloride	2.35	62	43990	20.834	ug/l	98
5) Bromomethane	2.76	94	33444	21.419	ug/l	95
6) Chloroethane	2.92	64	27227	20.706	ug/l	97
7) Trichlorofluoromethane	3.27	101	110716	20.824	ug/l	99
8) Diethyl Ether	3.71	74	23691	19.473	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	59842	21.185	ug/l	98
10) Methyl Iodide	4.30	142	48925	18.776	ug/l	96
11) Tert butyl alcohol	5.21	59	16149	68.246	ug/l #	81
12) 1,1-Dichloroethene	4.07	96	50793	20.127	ug/l	94
13) Acrolein	3.92	56	8780	65.465	ug/l	90
14) Allyl chloride	4.71	41	56526	19.559	ug/l	94
15) Acrylonitrile	5.43	53	43548	107.274	ug/l	96
16) Acetone	4.16	43	44261	103.167	ug/l #	88
17) Carbon Disulfide	4.41	76	139383	19.374	ug/l	98
18) Methyl Acetate	4.71	43	19906	20.342	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	99411	19.811	ug/l	97
20) Methylene Chloride	4.96	84	60745	19.353	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	58983	20.310	ug/l	94
22) Diisopropyl ether	6.36	45	115054	21.794	ug/l	95
23) Vinyl Acetate	6.30	43	310793	103.477	ug/l	99
24) 1,1-Dichloroethane	6.27	63	96788	21.418	ug/l	96
25) 2-Butanone	7.21	43	49634	101.492	ug/l	99
26) 2,2-Dichloropropane	7.21	77	97451	20.921	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	65398	20.547	ug/l	97
28) Bromochloromethane	7.55	49	30540	19.813	ug/l	98
29) Tetrahydrofuran	7.57	42	27642	101.681	ug/l	95
30) Chloroform	7.71	83	118275	21.909	ug/l	97
31) Cyclohexane	7.98	56	71487	20.261	ug/l	90
32) 1,1,1-Trichloroethane	7.90	97	115761	21.855	ug/l	98
36) 1,1-Dichloropropene	8.11	75	81277	21.387	ug/l	100
37) Ethyl Acetate	7.30	43	25147	22.490	ug/l	96
38) Carbon Tetrachloride	8.10	117	109002	22.441	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	85479	21.515	ug/l	97
40) Benzene	8.36	78	232718	22.321	ug/l	98
41) Methacrylonitrile	7.54	41	14843m	24.565	ug/l	
42) 1,2-Dichloroethane	8.43	62	69054	21.164	ug/l	99
43) Isopropyl Acetate	8.46	43	46510	20.963	ug/l	97
44) Trichloroethene	9.11	130	74567	22.338	ug/l	90
45) 1,2-Dichloropropane	9.40	63	52814	21.858	ug/l	97
46) Dibromomethane	9.48	93	32194	21.385	ug/l	97
47) Bromodichloromethane	9.67	83	90755	22.500	ug/l	95
48) Methyl methacrylate	9.46	41	20602	19.108	ug/l	96
49) 1,4-Dioxane	9.47	88	5719	373.524	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	114635	103.591	ug/l	99
52) Toluene	10.41	92	159229	22.423	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	74866	21.129	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	88630	21.374	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	43008	20.950	ug/l	97
56) Ethyl methacrylate	10.67	69	44364	20.837	ug/l	98
57) 1,3-Dichloropropane	10.95	76	71024	21.739	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	114052	104.422	ug/l	98
59) 2-Hexanone	10.99	43	81617	107.934	ug/l	98
60) Dibromochloromethane	11.14	129	67617	22.585	ug/l	99
61) 1,2-Dibromoethane	11.25	107	43788	21.636	ug/l	99
64) Tetrachloroethene	10.88	164	66647	22.060	ug/l	98
65) Chlorobenzene	11.67	112	175239	21.916	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	70434	22.163	ug/l	98
67) Ethyl Benzene	11.75	91	302705	22.084	ug/l	97
68) m/p-Xylenes	11.86	106	239748	45.422	ug/l	96
69) o-Xylene	12.18	106	104079	21.294	ug/l	96
70) Styrene	12.20	104	184957	21.983	ug/l	99
71) Bromoform	12.37	173	38072	22.300	ug/l	# 98
73) Isopropylbenzene	12.48	105	301502	22.177	ug/l	99
74) N-amyl acetate	12.30	43	41659	20.288	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	44951	21.579	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	27809m	18.730	ug/l	
77) Bromobenzene	12.77	156	75631	22.314	ug/l	97
78) n-propylbenzene	12.83	91	347356	22.052	ug/l	98
79) 2-Chlorotoluene	12.91	91	198545	21.735	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	265176	22.445	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13599	20.771	ug/l	94
82) 4-Chlorotoluene	13.01	91	214628	22.137	ug/l	99
83) tert-Butylbenzene	13.23	119	220358	22.081	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	262424	22.474	ug/l	98
85) sec-Butylbenzene	13.41	105	301126	21.990	ug/l	99
86) p-Isopropyltoluene	13.52	119	286248	22.147	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	142946	21.911	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	144728	22.391	ug/l	99
89) n-Butylbenzene	13.85	91	240678	21.167	ug/l	100
90) Hexachloroethane	14.12	117	49620	22.000	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	123953	21.749	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7723	20.407	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	83895	21.833	ug/l	99
94) Hexachlorobutadiene	15.27	225	56185	23.546	ug/l	95
95) Naphthalene	15.41	128	126178	20.000	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	71760	21.617	ug/l	100

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

