

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067009.D
 Acq On : 02 Oct 2020 00:08
 Operator : VA/SY
 Sample : VD1001SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS02

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:13:39 PM

Quant Time: Oct 02 01:38:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	417510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	690731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	645542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	307242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	207660	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	7.91	113	220727	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	10.34	98	824984	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.63	95	281318	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	78196	20.322	ug/l	99
3) Chloromethane	2.21	50	71705	21.566	ug/l	98
4) Vinyl Chloride	2.35	62	68744	20.619	ug/l	94
5) Bromomethane	2.76	94	54198	22.870	ug/l	95
6) Chloroethane	2.92	64	43349	21.350	ug/l	95
7) Trichlorofluoromethane	3.27	101	138405	18.685	ug/l	92
8) Diethyl Ether	3.71	74	39309	21.401	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	79221	18.922	ug/l	100
10) Methyl Iodide	4.30	142	78364	19.264	ug/l	97
11) Tert butyl alcohol	5.21	59	31843	107.394	ug/l #	92
12) 1,1-Dichloroethene	4.07	96	75704	19.235	ug/l	99
13) Acrolein	3.92	56	24560	91.208	ug/l	92
14) Allyl chloride	4.71	41	102184	19.986	ug/l	98
15) Acrylonitrile	5.43	53	72035	106.555	ug/l	96
16) Acetone	4.16	43	60322	98.264	ug/l	95
17) Carbon Disulfide	4.41	76	245535	20.328	ug/l	99
18) Methyl Acetate	4.71	43	35154	22.785	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	146561	20.399	ug/l	96
20) Methylene Chloride	4.97	84	130309	26.493	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	94845	21.175	ug/l	97
22) Diisopropyl ether	6.37	45	203323	21.782	ug/l	95
23) Vinyl Acetate	6.31	43	536841	101.493	ug/l	97
24) 1,1-Dichloroethane	6.27	63	153641	21.328	ug/l	97
25) 2-Butanone	7.21	43	87433	100.459	ug/l	98
26) 2,2-Dichloropropane	7.20	77	123959	17.437	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	101684	21.257	ug/l	99
28) Bromochloromethane	7.54	49	58839	21.150	ug/l	99
29) Tetrahydrofuran	7.56	42	51477	102.865	ug/l	98
30) Chloroform	7.71	83	167803	21.473	ug/l	98
31) Cyclohexane	7.98	56	106690	17.666	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	146777	20.267	ug/l	98
36) 1,1-Dichloropropene	8.11	75	120923	18.782	ug/l	99
37) Ethyl Acetate	7.29	43	42907	19.237	ug/l #	78
38) Carbon Tetrachloride	8.10	117	130580	18.745	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	116609	17.131	ug/l	98
40) Benzene	8.35	78	364329	20.373	ug/l	99
41) Methacrylonitrile	7.53	41	28200	23.403	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	102678	20.548	ug/l	97
43) Isopropyl Acetate	8.44	43	80839	19.674	ug/l	99
44) Trichloroethene	9.11	130	103348	19.353	ug/l	99
45) 1,2-Dichloropropane	9.38	63	86642	20.620	ug/l	90
46) Dibromomethane	9.47	93	49293	20.411	ug/l	97
47) Bromodichloromethane	9.66	83	128173	20.417	ug/l	99
48) Methyl methacrylate	9.45	41	38139	18.118	ug/l	85
49) 1,4-Dioxane	9.46	88	9492	376.594	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	197031	96.270	ug/l	99
52) Toluene	10.40	92	240676	20.893	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	110998	19.784	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	134795	19.675	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	68016	20.257	ug/l	92
56) Ethyl methacrylate	10.66	69	69798	20.135	ug/l	98
57) 1,3-Dichloropropane	10.94	76	112676	20.695	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	198498	102.881	ug/l	99
59) 2-Hexanone	10.98	43	131591	96.332	ug/l	98
60) Dibromochloromethane	11.14	129	91602	20.469	ug/l	96
61) 1,2-Dibromoethane	11.24	107	65847	20.413	ug/l	99
64) Tetrachloroethene	10.87	164	88140	18.781	ug/l	96
65) Chlorobenzene	11.67	112	256352	19.967	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	96598	19.779	ug/l	99
67) Ethyl Benzene	11.74	91	430947	19.590	ug/l	100
68) m/p-Xylenes	11.86	106	339353	39.584	ug/l	100
69) o-Xylene	12.18	106	151305	19.736	ug/l	97
70) Styrene	12.20	104	265698	20.183	ug/l	100
71) Bromoform	12.36	173	49370	19.475	ug/l #	98
73) Isopropylbenzene	12.48	105	408063	19.560	ug/l	100
74) N-amyl acetate	12.29	43	70933	18.914	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	69140	19.670	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	45039m	16.830	ug/l	
77) Bromobenzene	12.76	156	104785	20.801	ug/l	97
78) n-propylbenzene	12.82	91	475585	19.289	ug/l	99
79) 2-Chlorotoluene	12.91	91	284585	20.174	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	352642	20.007	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	19669	18.324	ug/l	100
82) 4-Chlorotoluene	13.01	91	298073	19.860	ug/l	98
83) tert-Butylbenzene	13.23	119	282946	19.063	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	356789	20.283	ug/l	98
85) sec-Butylbenzene	13.40	105	405277	19.389	ug/l	98
86) p-Isopropyltoluene	13.52	119	362822	18.723	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	193437	19.714	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	192916	19.663	ug/l	98
89) n-Butylbenzene	13.85	91	317528	17.929	ug/l	100
90) Hexachloroethane	14.11	117	63093	18.587	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	169016	19.724	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10745	18.964	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	100361	18.106	ug/l	100
94) Hexachlorobutadiene	15.27	225	60750	17.846	ug/l	99
95) Naphthalene	15.41	128	167459	18.113	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	93461	19.424	ug/l	98

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

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