

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067227.D
 Acq On : 12 Oct 2020 12:08
 Operator : VA/SY
 Sample : VD1012SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/13/2020 1:52:19 PM

Quant Time: Oct 13 00:28:59 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	379477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	565759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	519974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	266563	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	165363	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
35) Dibromofluoromethane	7.91	113	180353	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.34	98	646761	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
62) 4-Bromofluorobenzene	12.64	95	236339	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79072	23.229	ug/l	96
3) Chloromethane	2.21	50	54967	18.188	ug/l	92
4) Vinyl Chloride	2.35	62	57402	18.943	ug/l	94
5) Bromomethane	2.76	94	41270	18.391	ug/l	86
6) Chloroethane	2.92	64	34205	18.535	ug/l	92
7) Trichlorofluoromethane	3.27	101	141249	20.980	ug/l	98
8) Diethyl Ether	3.71	74	32231	19.306	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	78319	20.582	ug/l	99
10) Methyl Iodide	4.30	142	66799	18.066	ug/l	98
11) Tert butyl alcohol	5.21	59	27868	101.169	ug/l #	86
12) 1,1-Dichloroethene	4.07	96	71132	19.885	ug/l	95
13) Acrolein	3.93	56	15695	64.128	ug/l	93
14) Allyl chloride	4.71	41	78931	16.985	ug/l	91
15) Acrylonitrile	5.42	53	55481	90.294	ug/l	98
16) Acetone	4.16	43	58259	104.415	ug/l	98
17) Carbon Disulfide	4.41	76	201725	18.375	ug/l	98
18) Methyl Acetate	4.72	43	25278	18.026	ug/l	91
19) Methyl tert-butyl Ether	5.47	73	133116	20.384	ug/l	92
20) Methylene Chloride	4.97	84	79251	14.911	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	81065	19.913	ug/l	91
22) Diisopropyl ether	6.36	45	157312	18.542	ug/l	96
23) Vinyl Acetate	6.31	43	422415	87.864	ug/l #	92
24) 1,1-Dichloroethane	6.26	63	127960	19.543	ug/l	98
25) 2-Butanone	7.21	43	67810	85.721	ug/l	93
26) 2,2-Dichloropropane	7.21	77	125398	19.915	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	85752	19.723	ug/l	99
28) Bromochloromethane	7.54	49	41078	16.246	ug/l	86
29) Tetrahydrofuran	7.57	42	39670	87.216	ug/l	96
30) Chloroform	7.71	83	149027	20.982	ug/l	97
31) Cyclohexane	7.99	56	101451	18.482	ug/l #	95
32) 1,1,1-Trichloroethane	7.90	97	140976	21.417	ug/l	97
36) 1,1-Dichloropropene	8.11	75	108912	20.653	ug/l	99
37) Ethyl Acetate	7.29	43	31910	17.467	ug/l #	78
38) Carbon Tetrachloride	8.10	117	132906	23.293	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	115867	20.782	ug/l	90
40) Benzene	8.35	78	301130	20.559	ug/l	95
41) Methacrylonitrile	7.53	41	20823m	21.098	ug/l	
42) 1,2-Dichloroethane	8.43	62	87314	21.333	ug/l	98
43) Isopropyl Acetate	8.45	43	63259	18.796	ug/l	95
44) Trichloroethene	9.11	130	93240	21.318	ug/l	100
45) 1,2-Dichloropropane	9.38	63	68808	19.993	ug/l	100
46) Dibromomethane	9.47	93	40297	20.372	ug/l	93
47) Bromodichloromethane	9.66	83	110448	21.480	ug/l	94
48) Methyl methacrylate	9.46	41	30122	17.470	ug/l #	76
49) 1,4-Dioxane	9.46	88	7793	377.484	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	155336	92.663	ug/l	99
52) Toluene	10.40	92	206414	21.876	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	98071	21.341	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	115277	20.543	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	58087	21.122	ug/l	95
56) Ethyl methacrylate	10.66	69	59450	20.938	ug/l	94
57) 1,3-Dichloropropane	10.95	76	92360	20.710	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	161574	102.242	ug/l	98
59) 2-Hexanone	10.98	43	107157	95.772	ug/l	95
60) Dibromochloromethane	11.14	129	80733	22.026	ug/l	97
61) 1,2-Dibromoethane	11.25	107	56643	21.439	ug/l	100
64) Tetrachloroethene	10.88	164	84893	22.457	ug/l	96
65) Chlorobenzene	11.67	112	220614	21.333	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	88097	22.395	ug/l	98
67) Ethyl Benzene	11.75	91	389523	21.983	ug/l	100
68) m/p-Xylenes	11.86	106	305396	44.225	ug/l	97
69) o-Xylene	12.18	106	137642	22.289	ug/l	98
70) Styrene	12.20	104	239377	22.575	ug/l	100
71) Bromoform	12.37	173	45832	22.445	ug/l #	96
73) Isopropylbenzene	12.48	105	388767	21.479	ug/l	100
74) N-amyl acetate	12.29	43	57332	17.620	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	57316	18.795	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	51862m	22.336	ug/l	
77) Bromobenzene	12.77	156	94351	21.588	ug/l	93
78) n-propylbenzene	12.83	91	450045	21.039	ug/l	99
79) 2-Chlorotoluene	12.91	91	260871	21.315	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	336928	22.032	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	18654	20.030	ug/l	96
82) 4-Chlorotoluene	13.01	91	274614	21.089	ug/l	100
83) tert-Butylbenzene	13.23	119	278419	21.620	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	330356	21.647	ug/l	98
85) sec-Butylbenzene	13.41	105	384611	21.208	ug/l	97
86) p-Isopropyltoluene	13.53	119	357474	21.262	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	176067	20.682	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	179672	21.108	ug/l	100
89) n-Butylbenzene	13.85	91	320414	20.852	ug/l	99
90) Hexachloroethane	14.12	117	60608	20.579	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	155223	20.878	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9821	19.978	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	106167	22.077	ug/l	98
94) Hexachlorobutadiene	15.28	225	66747	22.600	ug/l	99
95) Naphthalene	15.41	128	160521	20.012	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	91921	22.019	ug/l	98

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

