

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022820\
 Data File : VD065354.D
 Acq On : 28 Feb 2020 12:09
 Operator : VA/SY
 Sample : VD0228SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 10:35:32 AM

Quant Time: Feb 28 16:33:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	453239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	680763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	620983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	299152	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	204307	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
35) Dibromofluoromethane	7.92	113	217173	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
50) Toluene-d8	10.34	98	842427	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
62) 4-Bromofluorobenzene	12.64	95	268961	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	69036	18.160	ug/l	95
3) Chloromethane	2.21	50	92081	19.030	ug/l	98
4) Vinyl Chloride	2.35	62	92549	18.810	ug/l	99
5) Bromomethane	2.77	94	56765	19.081	ug/l	97
6) Chloroethane	2.92	64	57017	18.985	ug/l	97
7) Trichlorofluoromethane	3.27	101	144515	20.515	ug/l	94
8) Diethyl Ether	3.71	74	42679	20.072	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89137	20.038	ug/l	97
10) Methyl Iodide	4.29	142	91251	19.757	ug/l	99
11) Tert butyl alcohol	5.24	59	21482	88.168	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	86233	20.521	ug/l	96
13) Acrolein	3.93	56	34034	96.018	ug/l	99
14) Allyl chloride	4.71	41	137542	20.156	ug/l	97
15) Acrylonitrile	5.44	53	96324	102.321	ug/l	100
16) Acetone	4.17	43	91399	91.701	ug/l	92
17) Carbon Disulfide	4.40	76	268691	19.072	ug/l	100
18) Methyl Acetate	4.73	43	49965	22.289	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	175765	20.058	ug/l	98
20) Methylene Chloride	4.97	84	110023	22.237	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	97178	20.342	ug/l	97
22) Diisopropyl ether	6.37	45	277528	21.097	ug/l	98
23) Vinyl Acetate	6.31	43	709621	97.847	ug/l	99
24) 1,1-Dichloroethane	6.26	63	169135	20.728	ug/l	98
25) 2-Butanone	7.22	43	116052	92.028	ug/l	100
26) 2,2-Dichloropropane	7.21	77	145715	20.582	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	104537	20.659	ug/l	98
28) Bromochloromethane	7.55	49	59643	19.702	ug/l	98
29) Tetrahydrofuran	7.57	42	74728	101.137	ug/l	99
30) Chloroform	7.71	83	170715	20.767	ug/l	96
31) Cyclohexane	7.98	56	152608	19.035	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	153219	20.832	ug/l	99
36) 1,1-Dichloropropene	8.11	75	138888	20.968	ug/l	100
37) Ethyl Acetate	7.30	43	53782	19.422	ug/l	97
38) Carbon Tetrachloride	8.10	117	139115	20.631	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	155850	20.013	ug/l	95
40) Benzene	8.36	78	387486	20.725	ug/l	98
41) Methacrylonitrile	7.53	41	29314	18.334	ug/l	94
42) 1,2-Dichloroethane	8.43	62	104151	20.263	ug/l	100
43) Isopropyl Acetate	8.46	43	99540	19.768	ug/l	99
44) Trichloroethene	9.12	130	108333	20.903	ug/l	91
45) 1,2-Dichloropropane	9.40	63	96937	20.851	ug/l	97
46) Dibromomethane	9.48	93	49412	20.657	ug/l	100
47) Bromodichloromethane	9.67	83	129110	20.481	ug/l	96
48) Methyl methacrylate	9.46	41	44516	19.126	ug/l	94
49) 1,4-Dioxane	9.47	88	10913	388.989	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	251561	98.359	ug/l	100
52) Toluene	10.41	92	250576	21.652	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	119029	20.371	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	146037	20.698	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	71602	21.267	ug/l	99
56) Ethyl methacrylate	10.67	69	78171	20.116	ug/l	98
57) 1,3-Dichloropropane	10.95	76	117299	20.470	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	125048	102.068	ug/l	99
59) 2-Hexanone	10.99	43	176590	96.454	ug/l	97
60) Dibromochloromethane	11.14	129	90218	20.936	ug/l	99
61) 1,2-Dibromoethane	11.25	107	65900	20.673	ug/l	99
64) Tetrachloroethene	10.88	164	92994	21.115	ug/l	98
65) Chlorobenzene	11.68	112	262015	21.026	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	96070	20.659	ug/l	99
67) Ethyl Benzene	11.75	91	447605	20.509	ug/l	98
68) m/p-Xylenes	11.86	106	354957	42.509	ug/l	98
69) o-Xylene	12.19	106	154002	20.817	ug/l	100
70) Styrene	12.20	104	274373	20.890	ug/l	100
71) Bromoform	12.37	173	52577	20.375	ug/l #	99
73) Isopropylbenzene	12.48	105	425757	21.497	ug/l	100
74) N-amyl acetate	12.30	43	87774	19.945	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	74821	20.932	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	50700m	19.919	ug/l	
77) Bromobenzene	12.77	156	105193	21.389	ug/l	99
78) n-propylbenzene	12.83	91	518261	21.775	ug/l	99
79) 2-Chlorotoluene	12.91	91	286159	21.462	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	361644	22.170	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	23804	20.193	ug/l	93
82) 4-Chlorotoluene	13.01	91	303228	21.422	ug/l	97
83) tert-Butylbenzene	13.23	119	294593	21.548	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	357240	21.880	ug/l	100
85) sec-Butylbenzene	13.41	105	420049	21.322	ug/l	100
86) p-Isopropyltoluene	13.53	119	388835	21.583	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	202556	21.305	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	201104	21.432	ug/l	99
89) n-Butylbenzene	13.86	91	352069	21.207	ug/l	98
90) Hexachloroethane	14.12	117	77875	21.289	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	172839	21.172	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10812	19.628	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114953	21.527	ug/l	98
94) Hexachlorobutadiene	15.28	225	71842	20.973	ug/l	98
95) Naphthalene	15.41	128	178466	20.558	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102901	22.064	ug/l	98

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

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