

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012220\
 Data File : VD064918.D
 Acq On : 22 Jan 2020 15:40
 Operator : VA/SY
 Sample : VD0122SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/23/2020 11:13:43 AM

Quant Time: Jan 22 23:48:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	371181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	550166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	484777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	242433	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	185546	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
35) Dibromofluoromethane	7.92	113	185300	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
50) Toluene-d8	10.34	98	697513	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	
62) 4-Bromofluorobenzene	12.64	95	223718	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	59518	20.633	ug/l	98
3) Chloromethane	2.21	50	91898	22.779	ug/l	97
4) Vinyl Chloride	2.35	62	105631	21.474	ug/l	97
5) Bromomethane	2.76	94	76028	21.257	ug/l	95
6) Chloroethane	2.92	64	72218	21.911	ug/l	99
7) Trichlorofluoromethane	3.27	101	174734	21.097	ug/l	89
8) Diethyl Ether	3.71	74	39079	23.761	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	82511	24.055	ug/l	96
10) Methyl Iodide	4.29	142	81004	21.986	ug/l	99
11) Tert butyl alcohol	5.25	59	20849	111.148	ug/l #	89
12) 1,1-Dichloroethene	4.06	96	74853	22.922	ug/l	90
13) Acrolein	3.93	56	19796	75.725	ug/l	93
14) Allyl chloride	4.71	41	125733	24.695	ug/l	99
15) Acrylonitrile	5.44	53	86553	126.342	ug/l	97
16) Acetone	4.17	43	82914	115.138	ug/l	99
17) Carbon Disulfide	4.40	76	225078	21.316	ug/l	100
18) Methyl Acetate	4.73	43	46512	25.241	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	176582	24.345	ug/l	95
20) Methylene Chloride	4.96	84	105192	29.412	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	86599	23.285	ug/l	98
22) Diisopropyl ether	6.37	45	256646	25.272	ug/l	98
23) Vinyl Acetate	6.31	43	702696	121.980	ug/l	100
24) 1,1-Dichloroethane	6.27	63	155230	25.462	ug/l	95
25) 2-Butanone	7.23	43	110002	122.268	ug/l	93
26) 2,2-Dichloropropane	7.21	77	137791	24.309	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	97561	24.307	ug/l	99
28) Bromochloromethane	7.55	49	53938	22.759	ug/l	100
29) Tetrahydrofuran	7.57	42	70070	125.240	ug/l	96
30) Chloroform	7.71	83	162432	25.394	ug/l	99
31) Cyclohexane	7.99	56	138086	22.627	ug/l #	94
32) 1,1,1-Trichloroethane	7.91	97	145437	24.208	ug/l	98
36) 1,1-Dichloropropene	8.11	75	123629	23.347	ug/l	98
37) Ethyl Acetate	7.30	43	48080	23.112	ug/l #	93
38) Carbon Tetrachloride	8.10	117	134892	23.890	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	142157	22.165	ug/l	95
40) Benzene	8.36	78	341839	23.647	ug/l	100
41) Methacrylonitrile	7.54	41	27268	22.592	ug/l	92
42) 1,2-Dichloroethane	8.43	62	105773	25.321	ug/l	99
43) Isopropyl Acetate	8.46	43	97048	23.438	ug/l	99
44) Trichloroethene	9.11	130	97217	22.893	ug/l	88
45) 1,2-Dichloropropane	9.39	63	84764	24.559	ug/l	97
46) Dibromomethane	9.48	93	45420	23.603	ug/l	99
47) Bromodichloromethane	9.67	83	122782	23.978	ug/l	92
48) Methyl methacrylate	9.46	41	45253	23.211	ug/l	95
49) 1,4-Dioxane	9.47	88	9886	445.542	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	246801	120.590	ug/l	100
52) Toluene	10.41	92	225409	23.767	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	114335	23.950	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	137234	24.379	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	62452	24.082	ug/l	94
56) Ethyl methacrylate	10.67	69	72347	22.338	ug/l	92
57) 1,3-Dichloropropane	10.96	76	107311	24.033	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	149183	120.900	ug/l	98
59) 2-Hexanone	10.99	43	168281	121.145	ug/l	97
60) Dibromochloromethane	11.14	129	87125	24.294	ug/l	98
61) 1,2-Dibromoethane	11.25	107	61213	23.931	ug/l	98
64) Tetrachloroethene	10.88	164	83967	22.577	ug/l	96
65) Chlorobenzene	11.67	112	236240	23.480	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	89681	23.644	ug/l	98
67) Ethyl Benzene	11.75	91	417747	22.875	ug/l	96
68) m/p-Xylenes	11.86	106	318854	45.235	ug/l	95
69) o-Xylene	12.18	106	149023	23.406	ug/l	96
70) Styrene	12.20	104	255372	22.851	ug/l	99
71) Bromoform	12.37	173	50570	23.379	ug/l #	98
73) Isopropylbenzene	12.48	105	397290	22.932	ug/l	99
74) N-amyl acetate	12.30	43	85096	22.978	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	66692	24.505	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	45625m	23.833	ug/l	
77) Bromobenzene	12.77	156	99212	23.306	ug/l	97
78) n-propylbenzene	12.83	91	478298	23.665	ug/l	97
79) 2-Chlorotoluene	12.91	91	266319	23.986	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	332473	23.362	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	21249	23.214	ug/l	97
82) 4-Chlorotoluene	13.01	91	276991	23.443	ug/l	100
83) tert-Butylbenzene	13.23	119	277804	22.482	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	328279	23.161	ug/l	99
85) sec-Butylbenzene	13.41	105	394779	23.304	ug/l	97
86) p-Isopropyltoluene	13.53	119	365832	22.585	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	184478	22.732	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	187433	23.511	ug/l	99
89) n-Butylbenzene	13.86	91	333937	22.893	ug/l	99
90) Hexachloroethane	14.13	117	70445	22.767	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	159562	23.059	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10444	23.672	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	114756	22.522	ug/l	98
94) Hexachlorobutadiene	15.28	225	70436	21.968	ug/l	98
95) Naphthalene	15.41	128	170999	21.214	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	97204	22.347	ug/l	100

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

