

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065444.D
 Acq On : 09 Mar 2020 12:27
 Operator : VA/SY
 Sample : VD0309SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/10/2020 3:34:27 PM

Quant Time: Mar 10 12:40:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	497118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	724955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	652524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	329730	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	213598	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	7.92	113	232669	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	10.34	98	911113	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.64	95	287553	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	96417	22.567	ug/l	98
3) Chloromethane	2.21	50	106964	20.737	ug/l	100
4) Vinyl Chloride	2.35	62	107564	21.142	ug/l	99
5) Bromomethane	2.77	94	69217	21.558	ug/l	100
6) Chloroethane	2.93	64	65605	21.054	ug/l	94
7) Trichlorofluoromethane	3.27	101	158941	21.202	ug/l	97
8) Diethyl Ether	3.70	74	44719	20.059	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	103126	21.359	ug/l	99
10) Methyl Iodide	4.30	142	102386	20.412	ug/l	98
11) Tert butyl alcohol	5.26	59	25268	103.305	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	95068	20.563	ug/l	98
13) Acrolein	3.92	56	35202	83.449	ug/l	97
14) Allyl chloride	4.71	41	141231	19.886	ug/l	99
15) Acrylonitrile	5.43	53	91396	94.236	ug/l	99
16) Acetone	4.17	43	79253	91.897	ug/l	98
17) Carbon Disulfide	4.40	76	318332	20.676	ug/l	100
18) Methyl Acetate	4.73	43	41537	18.987	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	173474	19.512	ug/l	95
20) Methylene Chloride	4.97	84	108802	21.244	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	106964	20.798	ug/l	98
22) Diisopropyl ether	6.37	45	277855	21.046	ug/l	97
23) Vinyl Acetate	6.31	43	714815	97.510	ug/l	100
24) 1,1-Dichloroethane	6.27	63	174346	20.588	ug/l	95
25) 2-Butanone	7.22	43	104476	88.773	ug/l	96
26) 2,2-Dichloropropane	7.21	77	154330	20.855	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	108143	20.572	ug/l	99
28) Bromochloromethane	7.55	49	67233	19.844	ug/l	98
29) Tetrahydrofuran	7.57	42	68863	91.625	ug/l	98
30) Chloroform	7.71	83	176905	20.900	ug/l	93
31) Cyclohexane	7.99	56	172641	20.388	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	163054	20.846	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142388	20.490	ug/l	99
37) Ethyl Acetate	7.30	43	53020	19.740	ug/l	97
38) Carbon Tetrachloride	8.10	117	152593	21.176	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	172105	20.506	ug/l	97
40) Benzene	8.36	78	413528	21.283	ug/l	99
41) Methacrylonitrile	7.53	41	22981	16.178	ug/l	96
42) 1,2-Dichloroethane	8.43	62	103945	20.488	ug/l	100
43) Isopropyl Acetate	8.46	43	93295	18.812	ug/l	98
44) Trichloroethene	9.12	130	116527	21.237	ug/l	98
45) 1,2-Dichloropropane	9.39	63	97462	20.708	ug/l	98
46) Dibromomethane	9.48	93	49706	20.361	ug/l	96
47) Bromodichloromethane	9.67	83	133850	21.075	ug/l #	94
48) Methyl methacrylate	9.46	41	44762	19.187	ug/l	97
49) 1,4-Dioxane	9.47	88	10113	362.154	ug/l #	89
51) 4-Methyl-2-Pentanone	10.23	43	241283	96.679	ug/l	100
52) Toluene	10.41	92	261533	21.367	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	120692	20.335	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	149585	20.822	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	69967	20.235	ug/l	99
56) Ethyl methacrylate	10.67	69	74289	19.058	ug/l	97
57) 1,3-Dichloropropane	10.95	76	121058	20.693	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	131753	109.384	ug/l	100
59) 2-Hexanone	10.99	43	155715	90.132	ug/l	100
60) Dibromochloromethane	11.15	129	92335	20.833	ug/l	100
61) 1,2-Dibromoethane	11.25	107	67214	20.380	ug/l	98
64) Tetrachloroethene	10.88	164	101257	21.656	ug/l	97
65) Chlorobenzene	11.67	112	270830	20.974	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.75	131	102013	21.692	ug/l	98
67) Ethyl Benzene	11.75	91	470502	21.088	ug/l	98
68) m/p-Xylenes	11.86	106	375385	43.634	ug/l	100
69) o-Xylene	12.18	106	160184	21.167	ug/l	100
70) Styrene	12.20	104	286228	21.491	ug/l	99
71) Bromoform	12.37	173	55080	20.851	ug/l #	98
73) Isopropylbenzene	12.48	105	443434	20.446	ug/l	100
74) N-amyl acetate	12.30	43	81700	18.401	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	73330	19.235	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	47587m	18.290	ug/l	
77) Bromobenzene	12.77	156	111403	20.675	ug/l	98
78) n-propylbenzene	12.83	91	546939	21.255	ug/l	100
79) 2-Chlorotoluene	12.91	91	303385	20.919	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	374965	21.030	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22725	18.432	ug/l	99
82) 4-Chlorotoluene	13.01	91	319987	20.997	ug/l	99
83) tert-Butylbenzene	13.23	119	309080	20.490	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	370872	21.102	ug/l	100
85) sec-Butylbenzene	13.41	105	451876	20.987	ug/l	100
86) p-Isopropyltoluene	13.53	119	417384	21.244	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	215485	20.801	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	213294	20.698	ug/l	100
89) n-Butylbenzene	13.86	91	377934	20.807	ug/l	99
90) Hexachloroethane	14.12	117	81261	20.084	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	183926	20.863	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11085	19.093	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	122662	20.529	ug/l	98
94) Hexachlorobutadiene	15.28	225	81334	20.716	ug/l	99
95) Naphthalene	15.41	128	176611	19.529	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	105717	20.475	ug/l	100

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

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