

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011020\
 Data File : VD064833.D
 Acq On : 10 Jan 2020 15:12
 Operator : VA/SY
 Sample : VD0110SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:38:18 PM

Quant Time: Jan 10 22:40:48 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	7.98	168	373338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	545009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	475750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	239067	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	180611	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
35) Dibromofluoromethane	7.92	113	179377	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
50) Toluene-d8	10.34	98	683313	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
62) 4-Bromofluorobenzene	12.64	95	216880	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	57472	19.808	ug/l	100
3) Chloromethane	2.21	50	86367	21.284	ug/l	96
4) Vinyl Chloride	2.35	62	100258	20.264	ug/l	97
5) Bromomethane	2.76	94	68630	19.078	ug/l	97
6) Chloroethane	2.91	64	67174	20.263	ug/l	95
7) Trichlorofluoromethane	3.27	101	166073	19.936	ug/l	98
8) Diethyl Ether	3.70	74	34066	20.593	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	71503	20.725	ug/l	98
10) Methyl Iodide	4.30	142	65963	17.800	ug/l	99
11) Tert butyl alcohol	5.24	59	16878	89.458	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	65328	19.889	ug/l	98
13) Acrolein	3.92	56	20424	77.676	ug/l	97
14) Allyl chloride	4.71	41	105489	20.599	ug/l	100
15) Acrylonitrile	5.43	53	68244	99.040	ug/l	99
16) Acetone	4.16	43	72825	100.423	ug/l	93
17) Carbon Disulfide	4.40	76	205458	19.345	ug/l	98
18) Methyl Acetate	4.73	43	37081	20.007	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	142781	19.571	ug/l	97
20) Methylene Chloride	4.96	84	83733	22.147	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	74078	19.804	ug/l	95
22) Diisopropyl ether	6.37	45	211797	20.735	ug/l	99
23) Vinyl Acetate	6.31	43	579367	99.990	ug/l	99
24) 1,1-Dichloroethane	6.27	63	129154	21.062	ug/l	98
25) 2-Butanone	7.22	43	92364	102.070	ug/l	100
26) 2,2-Dichloropropane	7.20	77	121297	21.275	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	79923	19.798	ug/l	94
28) Bromochloromethane	7.55	49	48768	20.459	ug/l	100
29) Tetrahydrofuran	7.57	42	54437	96.736	ug/l	98
30) Chloroform	7.71	83	137038	21.301	ug/l	95
31) Cyclohexane	7.98	56	122020	19.879	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	127490	21.098	ug/l	99
36) 1,1-Dichloropropene	8.11	75	104885	19.994	ug/l	97
37) Ethyl Acetate	7.30	43	41233	20.008	ug/l	97
38) Carbon Tetrachloride	8.10	117	116338	20.799	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	124472	19.591	ug/l	97
40) Benzene	8.35	78	290676	20.298	ug/l	100
41) Methacrylonitrile	7.53	41	23979	20.055	ug/l	93
42) 1,2-Dichloroethane	8.43	62	88771	21.452	ug/l	98
43) Isopropyl Acetate	8.46	43	79923	19.485	ug/l	99
44) Trichloroethene	9.11	130	84889	20.179	ug/l	97
45) 1,2-Dichloropropane	9.39	63	73020	21.356	ug/l	97
46) Dibromomethane	9.48	93	37859	19.860	ug/l	98
47) Bromodichloromethane	9.66	83	104205	20.543	ug/l	95
48) Methyl methacrylate	9.46	41	37034	19.175	ug/l	96
49) 1,4-Dioxane	9.47	88	8870	403.535	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	196429	96.885	ug/l	100
52) Toluene	10.40	92	190381	20.264	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	94079	19.893	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	112097	20.102	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	50931	19.825	ug/l	95
56) Ethyl methacrylate	10.66	69	61941	19.306	ug/l	97
57) 1,3-Dichloropropane	10.95	76	89090	20.141	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	145280	118.851	ug/l	98
59) 2-Hexanone	10.99	43	134176	97.507	ug/l	99
60) Dibromochloromethane	11.14	129	70925	19.964	ug/l	97
61) 1,2-Dibromoethane	11.25	107	50622	19.978	ug/l	99
64) Tetrachloroethene	10.88	164	74345	20.369	ug/l	95
65) Chlorobenzene	11.67	112	207466	21.011	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	75041	20.159	ug/l	99
67) Ethyl Benzene	11.75	91	358521	20.004	ug/l	100
68) m/p-Xylenes	11.86	106	274362	39.662	ug/l	96
69) o-Xylene	12.18	106	123255	19.726	ug/l	100
70) Styrene	12.20	104	219045	19.972	ug/l	98
71) Bromoform	12.37	173	41120	19.371	ug/l #	97
73) Isopropylbenzene	12.48	105	344775	20.181	ug/l	99
74) N-amyl acetate	12.29	43	68596	18.783	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	53038	19.762	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	32885m	17.420	ug/l	
77) Bromobenzene	12.77	156	83934	19.995	ug/l	99
78) n-propylbenzene	12.83	91	408622	20.502	ug/l	99
79) 2-Chlorotoluene	12.91	91	217898	19.901	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	282181	20.107	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	16734	18.539	ug/l	92
82) 4-Chlorotoluene	13.01	91	235149	20.182	ug/l	99
83) tert-Butylbenzene	13.23	119	238400	19.565	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	282195	20.190	ug/l	97
85) sec-Butylbenzene	13.41	105	338731	20.277	ug/l	99
86) p-Isopropyltoluene	13.53	119	316663	19.825	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	157626	19.697	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	156265	19.877	ug/l	99
89) n-Butylbenzene	13.85	91	297175	20.660	ug/l	97
90) Hexachloroethane	14.12	117	62335	20.430	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	133496	19.563	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8838	20.314	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	97498	19.405	ug/l	99
94) Hexachlorobutadiene	15.28	225	60253	19.057	ug/l	96
95) Naphthalene	15.41	128	142492	17.926	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	81455	18.990	ug/l	98

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

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