

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065221.D
 Acq On : 18 Feb 2020 16:18
 Operator : VA/SY
 Sample : VD0218SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0218SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:43:51 PM

Quant Time: Feb 19 03:49:17 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	465431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	703287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	642156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313257	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	223417	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
35) Dibromofluoromethane	7.92	113	228030	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
50) Toluene-d8	10.34	98	901810	55.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.02%	
62) 4-Bromofluorobenzene	12.64	95	285110	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	71895	18.417	ug/l	95
3) Chloromethane	2.21	50	102418	20.612	ug/l	94
4) Vinyl Chloride	2.35	62	102244	20.236	ug/l	100
5) Bromomethane	2.76	94	66187	21.666	ug/l	98
6) Chloroethane	2.92	64	64067	20.773	ug/l	99
7) Trichlorofluoromethane	3.27	101	150190	20.763	ug/l	99
8) Diethyl Ether	3.71	74	46029	21.080	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95092	20.817	ug/l	99
10) Methyl Iodide	4.29	142	91913	19.379	ug/l	98
11) Tert butyl alcohol	5.25	59	23813	95.175	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	90202	20.903	ug/l	99
13) Acrolein	3.93	56	44471	131.202	ug/l	97
14) Allyl chloride	4.71	41	147358	21.028	ug/l	99
15) Acrylonitrile	5.43	53	100887	104.360	ug/l	99
16) Acetone	4.17	43	93768	91.613	ug/l	96
17) Carbon Disulfide	4.40	76	299848	20.726	ug/l	99
18) Methyl Acetate	4.72	43	49365	21.445	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	187032	20.784	ug/l	99
20) Methylene Chloride	4.96	84	112922	22.222	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	106093	21.627	ug/l	97
22) Diisopropyl ether	6.37	45	287470	21.280	ug/l	99
23) Vinyl Acetate	6.31	43	783134	105.155	ug/l	98
24) 1,1-Dichloroethane	6.27	63	174504	20.826	ug/l	99
25) 2-Butanone	7.23	43	122683	94.737	ug/l	99
26) 2,2-Dichloropropane	7.21	77	151065	20.779	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	108653	20.910	ug/l	99
28) Bromochloromethane	7.55	49	62521	20.112	ug/l	97
29) Tetrahydrofuran	7.57	42	78560	103.538	ug/l	99
30) Chloroform	7.71	83	179616	21.277	ug/l	99
31) Cyclohexane	7.98	56	170919	20.761	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	158733	21.016	ug/l	100
36) 1,1-Dichloropropene	8.11	75	142055	20.759	ug/l	99
37) Ethyl Acetate	7.30	43	56653	19.804	ug/l	99
38) Carbon Tetrachloride	8.10	117	147004	21.103	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	166058	20.641	ug/l	99
40) Benzene	8.36	78	405011	20.969	ug/l	100
41) Methacrylonitrile	7.53	41	34720	21.020	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	109511	20.624	ug/l	100
43) Isopropyl Acetate	8.46	43	105551	20.290	ug/l	99
44) Trichloroethene	9.11	130	112742	21.057	ug/l	99
45) 1,2-Dichloropropane	9.39	63	101995	21.236	ug/l	100
46) Dibromomethane	9.48	93	51163	20.704	ug/l	100
47) Bromodichloromethane	9.67	83	134541	20.659	ug/l	98
48) Methyl methacrylate	9.46	41	50367	20.946	ug/l	96
49) 1,4-Dioxane	9.47	88	11199	386.399	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	265139	100.348	ug/l	99
52) Toluene	10.41	92	256159	21.426	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	126187	20.904	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	153971	21.123	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	71562	20.575	ug/l	94
56) Ethyl methacrylate	10.67	69	81354	20.265	ug/l	97
57) 1,3-Dichloropropane	10.95	76	121665	20.552	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	125902	99.474	ug/l	99
59) 2-Hexanone	10.99	43	185108	97.868	ug/l	98
60) Dibromochloromethane	11.14	129	92117	20.692	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69091	20.980	ug/l	99
64) Tetrachloroethene	10.88	164	94986	20.856	ug/l	99
65) Chlorobenzene	11.67	112	266346	20.669	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	98099	20.400	ug/l	98
67) Ethyl Benzene	11.75	91	474033	21.003	ug/l	99
68) m/p-Xylenes	11.86	106	365051	42.277	ug/l	100
69) o-Xylene	12.18	106	160103	20.928	ug/l	99
70) Styrene	12.20	104	289154	21.289	ug/l	100
71) Bromoform	12.37	173	52982	19.855	ug/l #	100
73) Isopropylbenzene	12.48	105	434739	20.962	ug/l	100
74) N-amyl acetate	12.30	43	93156	20.215	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	75673	20.217	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	60368m	22.650	ug/l	
77) Bromobenzene	12.77	156	107899	20.952	ug/l	98
78) n-propylbenzene	12.83	91	532522	21.367	ug/l	100
79) 2-Chlorotoluene	12.91	91	293326	21.009	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	366052	21.430	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24495	19.844	ug/l	99
82) 4-Chlorotoluene	13.01	91	312651	21.093	ug/l	100
83) tert-Butylbenzene	13.23	119	303367	21.190	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	366727	21.450	ug/l	100
85) sec-Butylbenzene	13.41	105	430365	20.862	ug/l	99
86) p-Isopropyltoluene	13.53	119	398274	21.112	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	207881	20.880	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	205182	20.882	ug/l	99
89) n-Butylbenzene	13.85	91	364240	20.953	ug/l	99
90) Hexachloroethane	14.12	117	78924	20.604	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	174631	20.428	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11774	20.412	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119387	21.351	ug/l	99
94) Hexachlorobutadiene	15.28	225	76208	21.246	ug/l	99
95) Naphthalene	15.41	128	183367	20.172	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102434	20.975	ug/l	98

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

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