

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031620\
 Data File : VD065511.D
 Acq On : 16 Mar 2020 14:20
 Operator : VA/SY
 Sample : VD0316SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:09:53 PM

Quant Time: Mar 17 07:38:23 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	7.98	168	500082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	719062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	655916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333856	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	197725	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	
35) Dibromofluoromethane	7.92	113	212867	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
50) Toluene-d8	10.34	98	822483	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.64	95	260104	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	84090	19.566	ug/l	98
3) Chloromethane	2.21	50	97903	18.868	ug/l	100
4) Vinyl Chloride	2.36	62	97931	19.135	ug/l	97
5) Bromomethane	2.77	94	67738	20.828	ug/l	99
6) Chloroethane	2.93	64	61220	19.531	ug/l	98
7) Trichlorofluoromethane	3.28	101	143910	19.083	ug/l	99
8) Diethyl Ether	3.71	74	43274	19.296	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93928	19.339	ug/l	99
10) Methyl Iodide	4.30	142	95067	18.840	ug/l	97
11) Tert butyl alcohol	5.25	59	27182	110.471	ug/l	97
12) 1,1-Dichloroethene	4.06	96	85180	18.315	ug/l	99
13) Acrolein	3.93	56	28556	67.293	ug/l	99
14) Allyl chloride	4.71	41	129734	18.159	ug/l	99
15) Acrylonitrile	5.43	53	88454	90.662	ug/l	99
16) Acetone	4.16	43	78828	90.863	ug/l	95
17) Carbon Disulfide	4.40	76	280455	18.108	ug/l	97
18) Methyl Acetate	4.73	43	40988	18.625	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	166943	18.666	ug/l	97
20) Methylene Chloride	4.97	84	111876	21.797	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	98375	19.015	ug/l	99
22) Diisopropyl ether	6.37	45	261057	19.656	ug/l	98
23) Vinyl Acetate	6.31	43	676470	91.733	ug/l	99
24) 1,1-Dichloroethane	6.27	63	162987	19.133	ug/l	99
25) 2-Butanone	7.23	43	102958	86.965	ug/l	99
26) 2,2-Dichloropropane	7.21	77	144220	19.373	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	100312	18.969	ug/l	98
28) Bromochloromethane	7.56	49	67821	19.899	ug/l	99
29) Tetrahydrofuran	7.57	42	66766	88.308	ug/l	99
30) Chloroform	7.72	83	166142	19.513	ug/l	99
31) Cyclohexane	7.99	56	154463	18.133	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	151480	19.251	ug/l	97
36) 1,1-Dichloropropene	8.11	75	132988	19.294	ug/l	99
37) Ethyl Acetate	7.30	43	51476	19.322	ug/l	99
38) Carbon Tetrachloride	8.10	117	141453	19.791	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	151188	18.161	ug/l	92
40) Benzene	8.36	78	380559	19.747	ug/l	99
41) Methacrylonitrile	7.53	41	22515	15.980	ug/l	96
42) 1,2-Dichloroethane	8.43	62	101789	20.227	ug/l	99
43) Isopropyl Acetate	8.46	43	90204	18.337	ug/l	98
44) Trichloroethene	9.11	130	106494	19.567	ug/l	92
45) 1,2-Dichloropropane	9.39	63	93053	19.933	ug/l	99
46) Dibromomethane	9.48	93	47919	19.790	ug/l	97
47) Bromodichloromethane	9.67	83	127423	20.228	ug/l	98
48) Methyl methacrylate	9.46	41	45164	19.518	ug/l	93
49) 1,4-Dioxane	9.47	88	10169	367.144	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	235743	95.234	ug/l	99
52) Toluene	10.41	92	248462	20.466	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	115289	19.584	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	142399	19.984	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	68773	20.053	ug/l	100
56) Ethyl methacrylate	10.67	69	71012	18.367	ug/l	100
57) 1,3-Dichloropropane	10.95	76	114749	19.775	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	119319	100.062	ug/l	97
59) 2-Hexanone	10.99	43	154838	90.359	ug/l	98
60) Dibromochloromethane	11.14	129	89832	20.434	ug/l	99
61) 1,2-Dibromoethane	11.25	107	63444	19.394	ug/l	100
64) Tetrachloroethene	10.88	164	94653	20.139	ug/l	98
65) Chlorobenzene	11.67	112	259578	19.998	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	96384	20.389	ug/l	98
67) Ethyl Benzene	11.75	91	442878	19.747	ug/l	100
68) m/p-Xylenes	11.86	106	346912	40.115	ug/l	99
69) o-Xylene	12.18	106	147555	19.397	ug/l	98
70) Styrene	12.20	104	267156	19.955	ug/l	100
71) Bromoform	12.37	173	52787	19.880	ug/l #	100
73) Isopropylbenzene	12.48	105	405796	18.479	ug/l	100
74) N-amyl acetate	12.30	43	76454	17.006	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	71808	18.603	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	56097m	21.294	ug/l	
77) Bromobenzene	12.77	156	102906	18.862	ug/l	98
78) n-propylbenzene	12.83	91	499339	19.165	ug/l	100
79) 2-Chlorotoluene	12.91	91	280494	19.102	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	350316	19.405	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	21363	17.113	ug/l	93
82) 4-Chlorotoluene	13.01	91	301123	19.515	ug/l	100
83) tert-Butylbenzene	13.23	119	284592	18.634	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	342910	19.270	ug/l	99
85) sec-Butylbenzene	13.41	105	409764	18.796	ug/l	100
86) p-Isopropyltoluene	13.53	119	377643	18.983	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	203299	19.382	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	199584	19.128	ug/l	99
89) n-Butylbenzene	13.85	91	336713	18.308	ug/l	99
90) Hexachloroethane	14.12	117	78150	19.076	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	171416	19.204	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10381	17.659	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	112334	18.568	ug/l	100
94) Hexachlorobutadiene	15.28	225	75802	19.069	ug/l	98
95) Naphthalene	15.41	128	167290	18.554	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	99847	19.099	ug/l	98

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

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