

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065979.D
 Acq On : 21 Jul 2020 14:49
 Operator : VA/SY
 Sample : VD0721SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:44:32 PM

Quant Time: Jul 21 16:54:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	385040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	560348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	514439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	260626	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	158610	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
35) Dibromofluoromethane	7.91	113	171162	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
50) Toluene-d8	10.34	98	657252	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.64	95	222681	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	69154	23.666	ug/l	97
3) Chloromethane	2.21	50	54661	22.922	ug/l	98
4) Vinyl Chloride	2.35	62	48590	21.397	ug/l	99
5) Bromomethane	2.76	94	34444	18.397	ug/l	93
6) Chloroethane	2.92	64	29939	22.086	ug/l	92
7) Trichlorofluoromethane	3.27	101	119904	21.708	ug/l	93
8) Diethyl Ether	3.70	74	33647	22.038	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	75079	22.512	ug/l	100
10) Methyl Iodide	4.30	142	70929	26.155	ug/l	96
11) Tert butyl alcohol	5.22	59	25050	112.126	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	69533	21.841	ug/l	93
13) Acrolein	3.91	56	25366	96.096	ug/l	97
14) Allyl chloride	4.71	41	106803	21.462	ug/l	98
15) Acrylonitrile	5.41	53	67545	103.556	ug/l	97
16) Acetone	4.16	43	59863	94.396	ug/l	97
17) Carbon Disulfide	4.41	76	224331	21.724	ug/l	97
18) Methyl Acetate	4.72	43	27887	18.903	ug/l	93
19) Methyl tert-butyl Ether	5.48	73	140462	21.474	ug/l	98
20) Methylene Chloride	4.96	84	89276	23.913	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	79093	21.982	ug/l	95
22) Diisopropyl ether	6.36	45	210088	22.221	ug/l	97
23) Vinyl Acetate	6.30	43	585795	109.865	ug/l	98
24) 1,1-Dichloroethane	6.27	63	128802	22.484	ug/l	96
25) 2-Butanone	7.21	43	85830	101.997	ug/l	99
26) 2,2-Dichloropropane	7.21	77	115471	22.415	ug/l	99
27) cis-1,2-Dichloroethene	7.20	96	82909	21.763	ug/l	97
28) Bromochloromethane	7.54	49	52825	21.727	ug/l	99
29) Tetrahydrofuran	7.56	42	54400	104.776	ug/l	97
30) Chloroform	7.71	83	132237	22.068	ug/l	91
31) Cyclohexane	7.99	56	120658	21.409	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	123982	22.368	ug/l	98
36) 1,1-Dichloropropene	8.11	75	104850	21.925	ug/l	98
37) Ethyl Acetate	7.29	43	39876	21.833	ug/l	96
38) Carbon Tetrachloride	8.10	117	113882	21.947	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	129069	22.286	ug/l	94
40) Benzene	8.35	78	298182	22.287	ug/l	97
41) Methacrylonitrile	7.53	41	23657	22.611	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	77959	21.264	ug/l	100
43) Isopropyl Acetate	8.45	43	76510	21.449	ug/l	98
44) Trichloroethene	9.11	130	89100	22.007	ug/l	88
45) 1,2-Dichloropropane	9.38	63	73043	22.542	ug/l	96
46) Dibromomethane	9.48	93	37398	21.439	ug/l	97
47) Bromodichloromethane	9.66	83	100959	21.889	ug/l	96
48) Methyl methacrylate	9.46	41	35127	19.522	ug/l	90
49) 1,4-Dioxane	9.46	88	9453	467.749	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	189714	105.553	ug/l	98
52) Toluene	10.40	92	195640	22.423	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	93211	21.692	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	114832	22.046	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	54332	21.961	ug/l	89
56) Ethyl methacrylate	10.66	69	61482	21.375	ug/l	93
57) 1,3-Dichloropropane	10.95	76	89634	21.886	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	149682	108.935	ug/l	98
59) 2-Hexanone	10.99	43	131466	105.551	ug/l	98
60) Dibromochloromethane	11.14	129	73152	21.930	ug/l	98
61) 1,2-Dibromoethane	11.25	107	53269	22.332	ug/l	99
64) Tetrachloroethene	10.88	164	77856	22.298	ug/l	98
65) Chlorobenzene	11.67	112	209561	22.249	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	78832	22.666	ug/l	99
67) Ethyl Benzene	11.75	91	367541	22.674	ug/l	98
68) m/p-Xylenes	11.86	106	288578	46.319	ug/l	99
69) o-Xylene	12.18	106	131099	23.135	ug/l	100
70) Styrene	12.20	104	234694	24.105	ug/l	98
71) Bromoform	12.37	173	43727	21.464	ug/l #	99
73) Isopropylbenzene	12.48	105	355371	22.534	ug/l	99
74) N-amyl acetate	12.29	43	69991	21.405	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	55983	21.480	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	40116m	20.443	ug/l	
77) Bromobenzene	12.77	156	90393	22.428	ug/l	97
78) n-propylbenzene	12.83	91	424742	23.210	ug/l	100
79) 2-Chlorotoluene	12.91	91	234190	22.400	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	298218	23.017	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18598	21.747	ug/l	97
82) 4-Chlorotoluene	13.01	91	247850	22.460	ug/l	99
83) tert-Butylbenzene	13.23	119	262205	23.126	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	297735	23.292	ug/l	99
85) sec-Butylbenzene	13.41	105	356563	22.832	ug/l	100
86) p-Isopropyltoluene	13.52	119	333248	23.488	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	169039	22.590	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	169210	22.369	ug/l	99
89) n-Butylbenzene	13.85	91	295745	22.418	ug/l	98
90) Hexachloroethane	14.12	117	63219	21.525	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	147331	22.722	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8610	20.157	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	106277	22.834	ug/l	99
94) Hexachlorobutadiene	15.27	225	63318	22.005	ug/l	98
95) Naphthalene	15.41	128	161035	21.623	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	92255	22.801	ug/l	97

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

