

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065985.D
 Acq On : 21 Jul 2020 17:34
 Operator : VA/SY
 Sample : VD0721SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:44:34 PM

Quant Time: Jul 22 01:47:29 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	7.99	168	343978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	515033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	482995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	151759	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
35) Dibromofluoromethane	7.91	113	160758	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	10.34	98	618475	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
62) 4-Bromofluorobenzene	12.64	95	214087	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	62206	23.830	ug/l	97
3) Chloromethane	2.20	50	47988	22.526	ug/l	98
4) Vinyl Chloride	2.35	62	44730	22.049	ug/l	94
5) Bromomethane	2.76	94	30900	18.497	ug/l	92
6) Chloroethane	2.92	64	26215	21.647	ug/l #	88
7) Trichlorofluoromethane	3.27	101	107336	21.752	ug/l	98
8) Diethyl Ether	3.70	74	31550	23.132	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	67014	22.492	ug/l	100
10) Methyl Iodide	4.30	142	60605	25.400	ug/l	98
11) Tert butyl alcohol	5.22	59	20289	98.815	ug/l	100
12) 1,1-Dichloroethene	4.07	96	61423	21.597	ug/l	93
13) Acrolein	3.93	56	23556	99.892	ug/l	94
14) Allyl chloride	4.72	41	98587	22.176	ug/l	99
15) Acrylonitrile	5.42	53	67827	116.401	ug/l	99
16) Acetone	4.16	43	55293	97.598	ug/l	91
17) Carbon Disulfide	4.41	76	201698	21.864	ug/l	100
18) Methyl Acetate	4.72	43	29706	22.540	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	138078	23.630	ug/l	97
20) Methylene Chloride	4.97	84	81884	24.635	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	71718	22.312	ug/l	96
22) Diisopropyl ether	6.36	45	201585	23.867	ug/l	98
23) Vinyl Acetate	6.31	43	567080	119.051	ug/l	99
24) 1,1-Dichloroethane	6.27	63	117781	23.015	ug/l	99
25) 2-Butanone	7.21	43	82833	110.187	ug/l	97
26) 2,2-Dichloropropane	7.21	77	99617	21.646	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	79406	23.332	ug/l	97
28) Bromochloromethane	7.55	49	48386	22.277	ug/l	98
29) Tetrahydrofuran	7.57	42	55146	118.892	ug/l	99
30) Chloroform	7.71	83	123579	23.085	ug/l	94
31) Cyclohexane	7.99	56	109890	21.826	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	111118	22.440	ug/l	98
36) 1,1-Dichloropropene	8.11	75	95828	21.801	ug/l	98
37) Ethyl Acetate	7.30	43	37047	22.069	ug/l	95
38) Carbon Tetrachloride	8.10	117	102029	21.392	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	114207	21.455	ug/l	98
40) Benzene	8.35	78	270159	21.969	ug/l	97
41) Methacrylonitrile	7.53	41	18155m	18.879	ug/l	
42) 1,2-Dichloroethane	8.43	62	77659	23.046	ug/l	100
43) Isopropyl Acetate	8.46	43	72044	21.974	ug/l	99
44) Trichloroethene	9.11	130	84306	22.655	ug/l	93
45) 1,2-Dichloropropane	9.39	63	67679	22.724	ug/l	98
46) Dibromomethane	9.48	93	37230	23.221	ug/l	98
47) Bromodichloromethane	9.67	83	93493	22.054	ug/l #	95
48) Methyl methacrylate	9.46	41	36054	21.800	ug/l	94
49) 1,4-Dioxane	9.46	88	9142	492.161	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	189303	114.592	ug/l	99
52) Toluene	10.41	92	182444	22.750	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	87621	22.185	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	111605	23.311	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	52467	23.074	ug/l	92
56) Ethyl methacrylate	10.66	69	60477	22.875	ug/l	97
57) 1,3-Dichloropropane	10.95	76	86368	22.944	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	150795	119.401	ug/l	99
59) 2-Hexanone	10.98	43	130876	114.322	ug/l	98
60) Dibromochloromethane	11.14	129	71446	23.303	ug/l	100
61) 1,2-Dibromoethane	11.25	107	49788	22.709	ug/l	97
64) Tetrachloroethene	10.88	164	72555	22.132	ug/l	96
65) Chlorobenzene	11.67	112	200065	22.623	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	74848	22.922	ug/l	99
67) Ethyl Benzene	11.75	91	335841	22.068	ug/l	98
68) m/p-Xylenes	11.86	106	272091	46.516	ug/l	97
69) o-Xylene	12.18	106	121300	22.800	ug/l	98
70) Styrene	12.20	104	212776	23.277	ug/l	99
71) Bromoform	12.36	173	42684	22.316	ug/l #	96
73) Isopropylbenzene	12.48	105	323072	21.860	ug/l	100
74) N-amyl acetate	12.29	43	69755	22.764	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	56374	23.081	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	40406m	21.972	ug/l	
77) Bromobenzene	12.77	156	84842	22.463	ug/l	97
78) n-propylbenzene	12.83	91	385575	22.483	ug/l	100
79) 2-Chlorotoluene	12.91	91	218170	22.267	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	275604	22.698	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	17933	22.376	ug/l	97
82) 4-Chlorotoluene	13.01	91	230941	22.331	ug/l	99
83) tert-Butylbenzene	13.23	119	239528	22.544	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	274488	22.914	ug/l	99
85) sec-Butylbenzene	13.41	105	327168	22.355	ug/l	99
86) p-Isopropyltoluene	13.52	119	305376	22.968	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	162047	23.108	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	158766	22.396	ug/l	99
89) n-Butylbenzene	13.85	91	269137	21.770	ug/l	99
90) Hexachloroethane	14.12	117	59070	21.461	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	139038	22.881	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9234	23.068	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	100456	23.031	ug/l	99
94) Hexachlorobutadiene	15.27	225	59203	21.955	ug/l	98
95) Naphthalene	15.41	128	157570	22.421	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	85888	22.651	ug/l	98

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

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