

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065928.D
 Acq On : 07 Jul 2020 18:38
 Operator : VA/SY
 Sample : VD0707SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:05:23 PM

Quant Time: Jul 08 10:03:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	407023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	632254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	585284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	292020	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	181660	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	7.92	113	189960	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	10.34	98	694356	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.63	95	247575	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79588	21.995	ug/l	93
3) Chloromethane	2.21	50	77391	21.575	ug/l	97
4) Vinyl Chloride	2.35	62	67182	20.398	ug/l	97
5) Bromomethane	2.76	94	41796	20.034	ug/l	97
6) Chloroethane	2.92	64	39302	19.962	ug/l	91
7) Trichlorofluoromethane	3.27	101	146719	20.785	ug/l	96
8) Diethyl Ether	3.71	74	42705	22.052	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84430	19.996	ug/l	99
10) Methyl Iodide	4.30	142	81190	19.851	ug/l	98
11) Tert butyl alcohol	5.21	59	33350	136.583	ug/l #	71
12) 1,1-Dichloroethene	4.07	96	81785	20.733	ug/l	99
13) Acrolein	3.93	56	24869	123.247	ug/l	95
14) Allyl chloride	4.71	41	137816	20.616	ug/l	99
15) Acrylonitrile	5.42	53	92382	108.954	ug/l	99
16) Acetone	4.16	43	75603	89.432	ug/l	98
17) Carbon Disulfide	4.41	76	261711	20.822	ug/l	99
18) Methyl Acetate	4.73	43	40728	20.553	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	184293	22.068	ug/l	95
20) Methylene Chloride	4.96	84	123479	21.547	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	94071	21.196	ug/l	99
22) Diisopropyl ether	6.36	45	276816	22.035	ug/l	95
23) Vinyl Acetate	6.30	43	772327	107.707	ug/l	99
24) 1,1-Dichloroethane	6.27	63	156473	20.888	ug/l	99
25) 2-Butanone	7.21	43	113807	101.880	ug/l	95
26) 2,2-Dichloropropane	7.21	77	132210	20.175	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	101228	21.228	ug/l	99
28) Bromochloromethane	7.54	49	64089	22.648	ug/l	99
29) Tetrahydrofuran	7.56	42	76350	107.486	ug/l	99
30) Chloroform	7.71	83	159819	21.045	ug/l	99
31) Cyclohexane	7.98	56	151589	20.567	ug/l	90
32) 1,1,1-Trichloroethane	7.91	97	143259	20.671	ug/l	99
36) 1,1-Dichloropropene	8.11	75	125873	20.158	ug/l	99
37) Ethyl Acetate	7.29	43	53033	20.269	ug/l	97
38) Carbon Tetrachloride	8.10	117	131255	19.611	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	152088	19.838	ug/l	97
40) Benzene	8.35	78	361891	20.978	ug/l	95
41) Methacrylonitrile	7.53	41	32123	21.147	ug/l	98
42) 1,2-Dichloroethane	8.43	62	98600	20.176	ug/l	97
43) Isopropyl Acetate	8.45	43	100332	20.602	ug/l	98
44) Trichloroethene	9.11	130	105754	20.864	ug/l	100
45) 1,2-Dichloropropane	9.38	63	91884	21.460	ug/l	98
46) Dibromomethane	9.48	93	46064	20.665	ug/l	98
47) Bromodichloromethane	9.66	83	124588	20.836	ug/l	94
48) Methyl methacrylate	9.46	41	52497	21.412	ug/l	97
49) 1,4-Dioxane	9.46	88	11136	420.440	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	260421	105.769	ug/l	100
52) Toluene	10.40	92	233308	21.258	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	116535	20.727	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	142564	20.985	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	65182	21.223	ug/l	99
56) Ethyl methacrylate	10.66	69	80308	21.408	ug/l	99
57) 1,3-Dichloropropane	10.95	76	110275	20.531	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	198178	109.085	ug/l	100
59) 2-Hexanone	10.98	43	176582	104.282	ug/l	98
60) Dibromochloromethane	11.14	129	87088	20.754	ug/l	99
61) 1,2-Dibromoethane	11.25	107	62617	20.448	ug/l	98
64) Tetrachloroethene	10.88	164	88462	20.784	ug/l	95
65) Chlorobenzene	11.67	112	247319	20.969	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	91431	20.726	ug/l	100
67) Ethyl Benzene	11.75	91	432222	20.628	ug/l	100
68) m/p-Xylenes	11.86	106	332967	41.826	ug/l	99
69) o-Xylene	12.18	106	153192	21.125	ug/l	99
70) Styrene	12.20	104	266964	21.326	ug/l	99
71) Bromoform	12.36	173	51362	20.576	ug/l #	97
73) Isopropylbenzene	12.48	105	413008	20.265	ug/l	99
74) N-amyl acetate	12.29	43	94500	20.664	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	69811	20.633	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	47881m	19.546	ug/l	
77) Bromobenzene	12.76	156	102187	20.673	ug/l	98
78) n-propylbenzene	12.83	91	491090	20.553	ug/l	100
79) 2-Chlorotoluene	12.91	91	275497	20.324	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	343127	20.584	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22351	19.605	ug/l	97
82) 4-Chlorotoluene	13.01	91	293022	20.604	ug/l	99
83) tert-Butylbenzene	13.23	119	292816	20.618	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	341741	20.595	ug/l	100
85) sec-Butylbenzene	13.40	105	407288	20.236	ug/l	100
86) p-Isopropyltoluene	13.52	119	378522	20.562	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	192908	20.856	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	189065	20.489	ug/l	99
89) n-Butylbenzene	13.84	91	349468	20.215	ug/l	99
90) Hexachloroethane	14.11	117	74016	19.938	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	166005	20.534	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11196	19.789	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	119082	20.668	ug/l	97
94) Hexachlorobutadiene	15.27	225	68981	19.792	ug/l	99
95) Naphthalene	15.40	128	194122	20.089	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	104480	21.023	ug/l	98

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

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