

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040920\
 Data File : VD065608.D
 Acq On : 09 Apr 2020 11:35
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/10/2020 2:58:41 PM

Quant Time: Apr 10 01:24:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:11:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	470185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	656786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	626046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	323293	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	86174	19.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	38.76%	
35) Dibromofluoromethane	7.92	113	90483	19.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.44%	
50) Toluene-d8	10.34	98	334581	19.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.94%	
62) 4-Bromofluorobenzene	12.64	95	104789	19.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	38.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	81360	19.189	ug/l	100
3) Chloromethane	2.21	50	105027	19.920	ug/l	98
4) Vinyl Chloride	2.35	62	97866	19.853	ug/l	98
5) Bromomethane	2.76	94	67193	19.327	ug/l	96
6) Chloroethane	2.92	64	59525	19.608	ug/l	98
7) Trichlorofluoromethane	3.27	101	146047	19.533	ug/l	98
8) Diethyl Ether	3.71	74	31722	20.535	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	96387	19.721	ug/l	99
10) Methyl Iodide	4.29	142	91773	19.081	ug/l	99
11) Tert butyl alcohol	5.25	59	21248	93.812	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	88519	19.636	ug/l	97
13) Acrolein	3.93	56	33013	105.945	ug/l	98
14) Allyl chloride	4.71	41	129675	19.392	ug/l	100
15) Acrylonitrile	5.44	53	89068	97.772	ug/l	98
16) Acetone	4.16	43	75746	94.331	ug/l	92
17) Carbon Disulfide	4.40	76	294189	19.613	ug/l	98
18) Methyl Acetate	4.72	43	47570	20.183	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	170484	19.563	ug/l	98
20) Methylene Chloride	4.96	84	101359	19.095	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	100260	19.596	ug/l	95
22) Diisopropyl ether	6.37	45	266767	20.754	ug/l	97
23) Vinyl Acetate	6.31	43	682509	103.337	ug/l	98
24) 1,1-Dichloroethane	6.27	63	168137	19.662	ug/l	98
25) 2-Butanone	7.23	43	105645	96.121	ug/l	99
26) 2,2-Dichloropropane	7.21	77	149433	19.527	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	102544	19.584	ug/l	99
28) Bromochloromethane	7.55	49	68247	19.885	ug/l	99
29) Tetrahydrofuran	7.57	42	68677	99.436	ug/l	99
30) Chloroform	7.71	83	179392	20.035	ug/l	97
31) Cyclohexane	7.99	56	153435	19.342	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	160235	19.802	ug/l	98
36) 1,1-Dichloropropene	8.11	75	134688	19.919	ug/l	99
37) Ethyl Acetate	7.30	43	51464	20.498	ug/l	97
38) Carbon Tetrachloride	8.10	117	146291	19.925	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	150079	19.607	ug/l	95
40) Benzene	8.35	78	388438	20.106	ug/l	99
41) Methacrylonitrile	7.54	41	31482m	21.452	ug/l	
42) 1,2-Dichloroethane	8.43	62	108984	20.196	ug/l	99
43) Isopropyl Acetate	8.46	43	92597	20.215	ug/l	99
44) Trichloroethene	9.12	130	110218	19.850	ug/l	97
45) 1,2-Dichloropropane	9.39	63	94321	20.050	ug/l	98
46) Dibromomethane	9.48	93	51059	20.192	ug/l	100
47) Bromodichloromethane	9.67	83	133148	20.080	ug/l	97
48) Methyl methacrylate	9.46	41	42608	20.056	ug/l	99
49) 1,4-Dioxane	9.47	88	11498	429.353	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	239997	101.669	ug/l	98
52) Toluene	10.41	92	247266	20.242	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	118701	20.169	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	145622	20.208	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	72940	20.556	ug/l	97
56) Ethyl methacrylate	10.67	69	72340	20.213	ug/l	98
57) 1,3-Dichloropropane	10.95	76	118463	20.156	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	187445	99.735	ug/l	99
59) 2-Hexanone	10.99	43	157894	100.647	ug/l	99
60) Dibromochloromethane	11.14	129	94489	19.994	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69452	20.590	ug/l	98
64) Tetrachloroethene	10.88	164	96936	19.466	ug/l	92
65) Chlorobenzene	11.67	112	267521	19.731	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	101232	19.600	ug/l	98
67) Ethyl Benzene	11.75	91	445459	19.897	ug/l	99
68) m/p-Xylenes	11.86	106	358777	40.618	ug/l	97
69) o-Xylene	12.19	106	155725	20.460	ug/l	97
70) Styrene	12.20	104	277466	20.620	ug/l	100
71) Bromoform	12.37	173	57583	19.879	ug/l #	99
73) Isopropylbenzene	12.48	105	417025	20.245	ug/l	99
74) N-amyl acetate	12.30	43	81153	19.893	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	75465	19.929	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	52003m	11.972	ug/l	
77) Bromobenzene	12.77	156	111919	19.818	ug/l	98
78) n-propylbenzene	12.83	91	510454	20.533	ug/l	99
79) 2-Chlorotoluene	12.91	91	287533	20.181	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	361030	20.795	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22810	20.377	ug/l	95
82) 4-Chlorotoluene	13.01	91	311928	20.340	ug/l	98
83) tert-Butylbenzene	13.23	119	293198	20.196	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	355704	20.617	ug/l	100
85) sec-Butylbenzene	13.41	105	420174	20.340	ug/l	99
86) p-Isopropyltoluene	13.53	119	390969	20.509	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	216280	19.860	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	216917	19.942	ug/l	99
89) n-Butylbenzene	13.86	91	337449	19.615	ug/l	99
90) Hexachloroethane	14.13	117	81892	19.692	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	185681	20.041	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11138	19.069	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	117963	19.384	ug/l	97
94) Hexachlorobutadiene	15.28	225	82505	19.504	ug/l	99
95) Naphthalene	15.42	128	166791	18.916	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	104438	19.826	ug/l	99

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

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