

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012320\
 Data File : VD064929.D
 Acq On : 23 Jan 2020 11:26
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:01:46 PM

Quant Time: Jan 23 12:55:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 12:45:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	435710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	647868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	573696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271527	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	40086	10.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.50%	
35) Dibromofluoromethane	7.92	113	38928	9.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.46%	
50) Toluene-d8	10.34	98	143389	9.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.60%	
62) 4-Bromofluorobenzene	12.64	95	44866	9.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	37422	11.104	ug/l	96
3) Chloromethane	2.21	50	56434	11.936	ug/l	96
4) Vinyl Chloride	2.35	62	63448	11.064	ug/l	98
5) Bromomethane	2.77	94	42082	10.229	ug/l	100
6) Chloroethane	2.93	64	41061	10.792	ug/l	93
7) Trichlorofluoromethane	3.27	101	99763	10.504	ug/l	96
8) Diethyl Ether	3.71	74	21365	11.103	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	44425	11.119	ug/l	98
10) Methyl Iodide	4.29	142	41046	9.595	ug/l	100
11) Tert butyl alcohol	5.25	59	12604	56.846	ug/l	96
12) 1,1-Dichloroethene	4.06	96	42838	11.266	ug/l	91
13) Acrolein	3.92	56	15934	53.071	ug/l	99
14) Allyl chloride	4.71	41	63685	10.670	ug/l	94
15) Acrylonitrile	5.44	53	45108	56.195	ug/l	98
16) Acetone	4.17	43	49600	61.732	ug/l	93
17) Carbon Disulfide	4.40	76	142073	11.484	ug/l	98
18) Methyl Acetate	4.72	43	21210	10.002	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	90547	10.691	ug/l	99
20) Methylene Chloride	4.97	84	58412	12.795	ug/l	96
21) trans-1,2-Dichloroethene	5.48	96	48335	11.104	ug/l	95
22) Diisopropyl ether	6.37	45	129272	10.863	ug/l	97
23) Vinyl Acetate	6.31	43	362223	53.508	ug/l	99
24) 1,1-Dichloroethane	6.27	63	83661	11.695	ug/l	97
25) 2-Butanone	7.22	43	60938	57.118	ug/l	94
26) 2,2-Dichloropropane	7.21	77	75332	11.368	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	50218	10.752	ug/l	98
28) Bromochloromethane	7.55	49	28813	10.200	ug/l	100
29) Tetrahydrofuran	7.58	42	39082	59.350	ug/l	96
30) Chloroform	7.71	83	84609	11.295	ug/l	99
31) Cyclohexane	7.98	56	83080	11.598	ug/l #	92
32) 1,1,1-Trichloroethane	7.90	97	78559	11.170	ug/l	97
36) 1,1-Dichloropropene	8.11	75	67637	10.844	ug/l	99
37) Ethyl Acetate	7.30	43	28594	11.753	ug/l #	79
38) Carbon Tetrachloride	8.10	117	71396	10.768	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	79381	10.563	ug/l	100
40) Benzene	8.35	78	183469	10.768	ug/l	99
41) Methacrylonitrile	7.53	41	12198m	8.556	ug/l	
42) 1,2-Dichloroethane	8.43	62	56306	11.389	ug/l	98
43) Isopropyl Acetate	8.46	43	52420	10.813	ug/l	98
44) Trichloroethene	9.11	130	53102	10.718	ug/l	89
45) 1,2-Dichloropropane	9.39	63	45981	11.323	ug/l	95
46) Dibromomethane	9.48	93	25503	11.354	ug/l	96
47) Bromodichloromethane	9.67	83	66106	11.041	ug/l	98
48) Methyl methacrylate	9.46	41	22755	10.031	ug/l	96
49) 1,4-Dioxane	9.47	88	5139	195.311	ug/l #	79
51) 4-Methyl-2-Pentanone	10.24	43	128155	53.113	ug/l	98
52) Toluene	10.41	92	114728	10.306	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	57512	10.246	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	69615	10.548	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	33877	11.120	ug/l	93
56) Ethyl methacrylate	10.67	69	35540	9.364	ug/l	95
57) 1,3-Dichloropropane	10.96	76	58048	11.059	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	56438	40.135	ug/l	98
59) 2-Hexanone	10.99	43	87539	53.324	ug/l	95
60) Dibromochloromethane	11.14	129	44532	10.641	ug/l	99
61) 1,2-Dibromoethane	11.25	107	31885	10.672	ug/l	100
64) Tetrachloroethene	10.88	164	46682	10.718	ug/l	95
65) Chlorobenzene	11.68	112	126640	10.788	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	46306	10.414	ug/l	98
67) Ethyl Benzene	11.75	91	216581	10.113	ug/l	98
68) m/p-Xylenes	11.86	106	164552	19.955	ug/l	97
69) o-Xylene	12.18	106	71467	9.615	ug/l	98
70) Styrene	12.20	104	127589	9.722	ug/l	98
71) Bromoform	12.37	173	26197	10.392	ug/l #	98
73) Isopropylbenzene	12.48	105	199285	10.353	ug/l	100
74) N-amyl acetate	12.30	43	43572	10.561	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	36144	11.875	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	24569m	10.999	ug/l	
77) Bromobenzene	12.77	156	50163	10.635	ug/l	100
78) n-propylbenzene	12.83	91	238091	10.568	ug/l	99
79) 2-Chlorotoluene	12.91	91	132886	10.741	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	163423	10.363	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11742	11.419	ug/l	98
82) 4-Chlorotoluene	13.01	91	139125	10.587	ug/l	100
83) tert-Butylbenzene	13.23	119	136424	9.977	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	170575	10.820	ug/l	98
85) sec-Butylbenzene	13.41	105	196755	10.467	ug/l	100
86) p-Isopropyltoluene	13.53	119	182450	10.163	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	95129	10.578	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	96292	10.912	ug/l	98
89) n-Butylbenzene	13.86	91	162440	10.002	ug/l	99
90) Hexachloroethane	14.12	117	36644	10.687	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	81909	10.680	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5839	11.859	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	54837	9.820	ug/l	97
94) Hexachlorobutadiene	15.28	225	36019	10.262	ug/l	97
95) Naphthalene	15.41	128	82384	9.298	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	48775	10.196	ug/l	99

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

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