

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066519.D
 Acq On : 02 Sep 2020 13:10
 Operator : VA/SY
 Sample : VSTDIC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 4:57:18 PM

Quant Time: Sep 02 14:11:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 14:03:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	167899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	231297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	211571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	111049	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	190437	105.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.94%	
35) Dibromofluoromethane	7.91	113	145874	104.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.72%	
50) Toluene-d8	10.34	98	542217	103.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.60%	
62) 4-Bromofluorobenzene	12.63	95	190397	102.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	127961	89.337	ug/l	93
3) Chloromethane	2.21	50	79110	91.873	ug/l	100
4) Vinyl Chloride	2.35	62	98604	93.902	ug/l	93
5) Bromomethane	2.76	94	82548	96.185	ug/l	98
6) Chloroethane	2.92	64	67905	96.119	ug/l	95
7) Trichlorofluoromethane	3.27	101	309329	96.639	ug/l	100
8) Diethyl Ether	3.70	74	60643	101.085	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	127343	95.530	ug/l	97
10) Methyl Iodide	4.30	142	172274	116.551	ug/l	99
11) Tert butyl alcohol	5.22	59	46716	355.129	ug/l #	92
12) 1,1-Dichloroethene	4.07	96	124749	99.584	ug/l	91
13) Acrolein	3.92	56	29463	502.351	ug/l	93
14) Allyl chloride	4.71	41	146102	104.340	ug/l	100
15) Acrylonitrile	5.41	53	110886	515.420	ug/l	98
16) Acetone	4.16	43	140380	525.685	ug/l	97
17) Carbon Disulfide	4.41	76	356248	98.410	ug/l #	94
18) Methyl Acetate	4.71	43	43945	102.387	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	341172	104.379	ug/l	98
20) Methylene Chloride	4.96	84	129623	83.174	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	143618	100.233	ug/l	94
22) Diisopropyl ether	6.36	45	284525	101.384	ug/l	99
23) Vinyl Acetate	6.30	43	950974	527.077	ug/l	97
24) 1,1-Dichloroethane	6.26	63	218839	99.285	ug/l	99
25) 2-Butanone	7.21	43	139004	502.917	ug/l	99
26) 2,2-Dichloropropane	7.20	77	274096	98.142	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	157834	101.576	ug/l	97
28) Bromochloromethane	7.54	49	69262	108.617	ug/l #	97
29) Tetrahydrofuran	7.56	42	73709	518.767	ug/l	99
30) Chloroform	7.71	83	281771	99.003	ug/l	100
31) Cyclohexane	7.98	56	166298	87.325	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	313608	98.940	ug/l	99
36) 1,1-Dichloropropene	8.11	75	200077	98.679	ug/l	98
37) Ethyl Acetate	7.29	43	60989	100.210	ug/l #	83
38) Carbon Tetrachloride	8.09	117	309660	100.255	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	236508	99.841	ug/l	97
40) Benzene	8.35	78	513759	98.228	ug/l	92
41) Methacrylonitrile	7.53	41	28782m	83.060	ug/l	
42) 1,2-Dichloroethane	8.42	62	222257	100.448	ug/l	100
43) Isopropyl Acetate	8.45	43	133411	104.642	ug/l	98
44) Trichloroethene	9.11	130	176300	97.659	ug/l	95
45) 1,2-Dichloropropane	9.38	63	104545	100.741	ug/l	96
46) Dibromomethane	9.47	93	75583	99.484	ug/l	93
47) Bromodichloromethane	9.66	83	226638	100.368	ug/l	96
48) Methyl methacrylate	9.46	41	65777	101.238	ug/l	95
49) 1,4-Dioxane	9.46	88	17474	1966.700	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	303887	518.363	ug/l	100
52) Toluene	10.40	92	369101	99.213	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	208169	100.904	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	220766	101.575	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	96521	100.540	ug/l	97
56) Ethyl methacrylate	10.66	69	116473	103.090	ug/l	98
57) 1,3-Dichloropropane	10.94	76	162457	102.470	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	212192	481.123	ug/l	100
59) 2-Hexanone	10.98	43	220620	521.069	ug/l	98
60) Dibromochloromethane	11.14	129	160071	100.832	ug/l	99
61) 1,2-Dibromoethane	11.24	107	97107	99.232	ug/l	98
64) Tetrachloroethene	10.87	164	158556	96.121	ug/l	96
65) Chlorobenzene	11.67	112	411034	98.748	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	172923	98.187	ug/l	98
67) Ethyl Benzene	11.74	91	731630	99.781	ug/l	95
68) m/p-Xylenes	11.86	106	573035	201.990	ug/l	99
69) o-Xylene	12.18	106	262787	97.789	ug/l	99
70) Styrene	12.20	104	455511	99.008	ug/l	99
71) Bromoform	12.36	173	95838	99.212	ug/l #	88
73) Isopropylbenzene	12.48	105	746855	100.650	ug/l	100
74) N-amyl acetate	12.29	43	119923	107.182	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	86382	98.515	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	74303m	105.936	ug/l	
77) Bromobenzene	12.76	156	189843	100.818	ug/l	99
78) n-propylbenzene	12.82	91	805061	99.564	ug/l	99
79) 2-Chlorotoluene	12.91	91	476176	101.779	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	653916	101.362	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	34375	109.581	ug/l	98
82) 4-Chlorotoluene	13.01	91	509563	101.401	ug/l	99
83) tert-Butylbenzene	13.23	119	578162	102.176	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	648830	100.558	ug/l	97
85) sec-Butylbenzene	13.40	105	713036	99.469	ug/l	99
86) p-Isopropyltoluene	13.52	119	719689	100.447	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	350742	100.431	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	349234	98.849	ug/l	99
89) n-Butylbenzene	13.85	91	601884	100.290	ug/l	98
90) Hexachloroethane	14.11	117	129826	100.972	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	304375	100.200	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	23604	101.788	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	247011	103.023	ug/l	99
94) Hexachlorobutadiene	15.27	225	157908	101.597	ug/l	99
95) Naphthalene	15.41	128	396715	106.443	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	211240	101.963	ug/l	99

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

