

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081722\
 Data File : VL039556.D
 Acq On : 17 Aug 2022 20:15
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Aug 18 05:39:51 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 17 12:06:24 2022
 QLast Update : Wed Aug 17 12:06:24 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.208	49	1036520	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.665	114	2774994	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2625568m	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2089606	10.572	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.751	85	1052674	7.556	ppbv	97
3) Chlorodifluoromethane	2.697	51	1115367	8.978	ppbv	99
4) Chloromethane	2.835	50	581202	7.824	ppbv	96
5) Vinyl Chloride	2.941	62	571267	8.919	ppbv	96
6) Bromomethane	3.141	94	217568	8.296	ppbv	88
7) Chloroethane	3.221	64	197235	8.649	ppbv	96
8) Dichlorotetrafluoroethane	2.880	85	1319618	8.821	ppbv	100
9) Propene	2.716	41	505755	8.937	ppbv	99
10) Heptane	7.590	43	1306525	9.939	ppbv	99
11) Trichlorofluoromethane	3.584	101	1359367	8.883	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.086	101	1034774	9.153	ppbv	96
13) Ethanol	3.263	45	36997m	9.084	ppbv	
14) Bromoethene	3.388	108	409934	8.874	ppbv	98
15) Acetone	3.488	43	1084788	9.264	ppbv	99
16) 1,3-Butadiene	3.009	39	561955	9.240	ppbv	100
17) tert-Butyl alcohol	3.896	59	990109	9.901	ppbv	100
18) 1,1-Dichloroethene	3.899	96	448569	8.801	ppbv	93
19) Isopropyl Alcohol	3.594	45	530323	9.266	ppbv #	100
20) Methylene Chloride	3.954	84	371282	7.787	ppbv	99
21) Allyl Chloride	4.015	41	678874	8.922	ppbv	99
22) trans-1,2-Dichloroethene	4.462	96	428866	8.469	ppbv	98
23) Vinyl Acetate	4.642	43	419312m	7.122	ppbv	
24) 1,1-Dichloroethane	4.581	63	934542	9.019	ppbv	99
25) Ethyl Acetate	5.221	43	2567491	10.283	ppbv	99
26) Hexane	5.227	57	940857	9.189	ppbv	89
27) Carbon Disulfide	4.144	76	1044326	9.560	ppbv	99
28) Methyl tert-Butyl Ether	4.607	73	780727	8.672	ppbv	100
29) Chloroform	5.288	83	1461402	9.119	ppbv	96
30) Cyclohexane	6.613	84	804596	9.463	ppbv #	100
31) cis-1,2-Dichloroethene	5.095	61	905311	9.144	ppbv	98
32) 1,1,1-Trichloroethane	6.015	97	1399500	9.311	ppbv	99
34) 2-Butanone	4.803	43	1333520	9.559	ppbv	99
35) Carbon Tetrachloride	6.504	117	1474216	9.443	ppbv	100
36) Benzene	6.382	78	2008447	9.496	ppbv	99
37) 1,2-Dichloroethane	5.822	62	1070669	9.112	ppbv	100
38) Trichloroethene	7.304	130	877814	7.640	ppbv	96
39) 1,2-Dichloropropane	7.086	63	766652	9.672	ppbv	99
40) 1,4-Dioxane	7.295	88	312934m	9.951	ppbv	
41) Tetrahydrofuran	5.571	42	823879	10.038	ppbv	98
42) Bromodichloromethane	7.263	83	1550410	9.655	ppbv	98
43) Methyl Methacrylate	7.488	69	832333	10.869	ppbv	100
44) 2,2,4-Trimethylpentane	7.340	57	3372511	9.465	ppbv	100
45) t-1,3-Dichloropropene	8.722	75	534809	7.941	ppbv	99

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46) cis-1,3-Dichloropropene	8.153	75	826363	8.917	ppbv	98
47) 1,1,2-Trichloroethane	8.909	97	844003	9.292	ppbv	98
48) Dibromochloromethane	9.719	129	1375682	10.187	ppbv	98
49) Bromoform	12.413	173	1177202	10.537	ppbv #	100
50) 4-Methyl-2-Pentanone	8.195	43	2183694	10.173	ppbv	100
51) 2-Hexanone	9.561	43	1680275	10.620	ppbv	100
52) Tetrachloroethene	10.623	164	779554	9.410	ppbv	97
53) Toluene	9.230	91	2380836	10.047	ppbv	100
54) 1,2-Dibromoethane	10.018	107	1098222	10.599	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.520	131	1064457	9.850	ppbv	94
57) Chlorobenzene	11.536	112	1820058	9.220	ppbv	99
58) Ethyl Benzene	12.098	91	3203056	10.535	ppbv	100
59) m/p-Xylene	12.381	91	5445207m	19.919	ppbv	
60) o-Xylene	13.066	91	2638196	10.066	ppbv	100
61) Styrene	12.905	104	1536891	10.992	ppbv	100
62) Isopropylbenzene	14.040	105	4077194	10.280	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.053	83	1694533	12.857	ppbv	99
64) n-propylbenzene	14.921	120	1073626	10.381	ppbv	100
65) tert-Butylbenzene	16.098	119	3681108	10.409	ppbv	100
66) Benzyl Chloride	16.336	91	194695m	6.416	ppbv	
67) sec-Butylbenzene	16.645	105	5165563	10.344	ppbv	100
69) p-Isopropyltoluene	17.005	119	4383173	10.536	ppbv	99
70) n-Butylbenzene	17.896	91	4460443	10.800	ppbv	99
71) 2-Chlorotoluene	14.806	91	3038315	10.571	ppbv	100
72) 4-Ethyltoluene	15.201	105	3210017	10.425	ppbv #	100
73) 1,3,5-Trimethylbenzene	15.359	105	2897412	10.303	ppbv	97
74) 1,2,4-Trimethylbenzene	16.118	105	3123958	9.963	ppbv	95
75) 1,3-Dichlorobenzene	16.339	146	1891625	9.931	ppbv	100
76) 1,4-Dichlorobenzene	16.481	146	1813676	9.508	ppbv	96
77) 1,2-Dichlorobenzene	17.150	146	1854587	9.936	ppbv	99
78) Hexachloro-1,3-Butadiene	22.641	225	1418446	9.567	ppbv #	100
79) Naphthalene	21.387	128	2732722	12.240	ppbv	100
80) Naphthalene,2-methyl-	24.381	142	825451	9.356	ppbv #	100
81) 1,2,4-Trichlorobenzene	21.146	180	1560056	10.483	ppbv #	100

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

