

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081822\
 Data File : VL039577.D
 Acq On : 19 Aug 2022 11:09
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Aug 20 00:55:56 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	5.198	49	1026002	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2677958	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2605719m	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1999049	10.191	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.748	85	1012350	7.341	ppbv	99
3) Chlorodifluoromethane	2.694	51	1149578	9.349	ppbv	99
4) Chloromethane	2.832	50	676155	9.196	ppbv	93
5) Vinyl Chloride	2.938	62	599006	9.448	ppbv	100
6) Bromomethane	3.137	94	240136	9.250	ppbv	92
7) Chloroethane	3.214	64	224089	9.928	ppbv	100
8) Dichlorotetrafluoroethane	2.877	85	1352014	9.130	ppbv	98
9) Propene	2.713	41	521017	9.301	ppbv	100
10) Heptane	7.581	43	1349425	10.371	ppbv	100
11) Trichlorofluoromethane	3.578	101	1447053	9.553	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.079	101	1066060	9.527	ppbv	99
13) Ethanol	3.253	45	46810m	11.611	ppbv	
14) Bromoethene	3.385	108	442575	9.678	ppbv	96
15) Acetone	3.481	43	1045578	9.020	ppbv	96
16) 1,3-Butadiene	3.002	39	590723	9.813	ppbv	100
17) tert-Butyl alcohol	3.890	59	976314	9.863	ppbv	100
18) 1,1-Dichloroethene	3.896	96	467006	9.256	ppbv	95
19) Isopropyl Alcohol	3.587	45	583005	10.291	ppbv #	100
20) Methylene Chloride	3.947	84	413969	8.771	ppbv	99
21) Allyl Chloride	4.012	41	736593	9.780	ppbv	99
22) trans-1,2-Dichloroethene	4.456	96	480422	9.584	ppbv	98
23) Vinyl Acetate	4.639	43	556204	9.544	ppbv #	96
24) 1,1-Dichloroethane	4.574	63	1008551	9.833	ppbv	98
25) Ethyl Acetate	5.211	43	2421867	9.799	ppbv	99
26) Hexane	5.221	57	969109	9.562	ppbv	99
27) Carbon Disulfide	4.137	76	1203782	11.132	ppbv	98
28) Methyl tert-Butyl Ether	4.597	73	810362	9.093	ppbv	99
29) Chloroform	5.282	83	1502724	9.473	ppbv	98
30) Cyclohexane	6.607	84	825848	9.813	ppbv #	100
31) cis-1,2-Dichloroethene	5.086	61	960063	9.797	ppbv	97
32) 1,1,1-Trichloroethane	6.009	97	1447058	9.726	ppbv	100
34) 2-Butanone	4.796	43	1343073	9.976	ppbv	98
35) Carbon Tetrachloride	6.497	117	1550483	10.292	ppbv	99
36) Benzene	6.375	78	2071331	10.149	ppbv	99
37) 1,2-Dichloroethane	5.812	62	1116978	9.851	ppbv	99
38) Trichloroethene	7.295	130	1170168	10.554	ppbv	98
39) 1,2-Dichloropropane	7.076	63	781878	10.222	ppbv	97
40) 1,4-Dioxane	7.288	88	327834	10.802	ppbv	90
41) Tetrahydrofuran	5.565	42	835742	10.551	ppbv	97
42) Bromodichloromethane	7.250	83	1635721	10.556	ppbv	97
43) Methyl Methacrylate	7.478	69	823234	11.140	ppbv	100
44) 2,2,4-Trimethylpentane	7.330	57	3552381	10.331	ppbv	99
45) t-1,3-Dichloropropene	8.709	75	781682	12.027	ppbv	98

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46) cis-1,3-Dichloropropene	8.143	75	1059538	11.847	ppbv	99
47) 1,1,2-Trichloroethane	8.899	97	877305	10.009	ppbv	96
48) Dibromochloromethane	9.706	129	1451249	11.136	ppbv	99
49) Bromoform	12.404	173	1238396	11.487	ppbv #	100
50) 4-Methyl-2-Pentanone	8.182	43	2232116	10.775	ppbv	100
51) 2-Hexanone	9.552	43	1756284	11.503	ppbv #	99
52) Tetrachloroethene	10.613	164	793787	9.929	ppbv	97
53) Toluene	9.217	91	2449040	10.710	ppbv	99
54) 1,2-Dibromoethane	10.008	107	1056385	10.565	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.503	131	1056979	9.855	ppbv	99
57) Chlorobenzene	11.523	112	1897952	9.688	ppbv	97
58) Ethyl Benzene	12.085	91	3269771	10.836	ppbv	98
59) m/p-Xylene	12.372	91	5566333m	20.517	ppbv	
60) o-Xylene	13.056	91	2689372	10.339	ppbv	100
61) Styrene	12.896	104	1608102	11.589	ppbv	98
62) Isopropylbenzene	14.027	105	3897879	9.902	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.044	83	1114025	8.517	ppbv	99
64) n-propylbenzene	14.915	120	1032362	10.058	ppbv	98
65) tert-Butylbenzene	16.089	119	3493074	9.953	ppbv	100
66) Benzyl Chloride	16.326	91	337614	11.211	ppbv #	91
67) sec-Butylbenzene	16.632	105	4841165	9.768	ppbv	100
69) p-Isopropyltoluene	16.992	119	4096696	9.922	ppbv	100
70) n-Butylbenzene	17.886	91	4120300	10.052	ppbv	99
71) 2-Chlorotoluene	14.799	91	2895191	10.150	ppbv	100
72) 4-Ethyltoluene	15.191	105	3132041	10.249	ppbv #	100
73) 1,3,5-Trimethylbenzene	15.349	105	2840385	10.177	ppbv	94
74) 1,2,4-Trimethylbenzene	16.108	105	3078912	9.894	ppbv #	92
75) 1,3-Dichlorobenzene	16.326	146	1852035	9.797	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	1817739	9.602	ppbv	97
77) 1,2-Dichlorobenzene	17.140	146	1778728	9.603	ppbv	99
78) Hexachloro-1,3-Butadiene	22.628	225	1312549	8.920	ppbv #	100
79) Naphthalene	21.374	128	2620459	11.827	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	1155651	13.199	ppbv #	100
81) 1,2,4-Trichlorobenzene	21.133	180	1484998	10.055	ppbv #	100

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

