

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
 Data File : VL039716.D
 Acq On : 11 Oct 2022 12:02
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Oct 12 04:40:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	998912	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2567423	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.446	117	2508098m	10.000	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1830823	9.778	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.742	85	566911	4.895	ppbv	98
3) Chlorodifluoromethane	2.687	51	986913	8.325	ppbv	96
4) Chloromethane	2.825	50	632090	8.836	ppbv	99
5) Vinyl Chloride	2.931	62	529560	8.881	ppbv	99
6) Bromomethane	3.131	94	198010	9.005	ppbv	95
7) Chloroethane	3.208	64	188532	8.646	ppbv	90
8) Dichlorotetrafluoroethane	2.870	85	1013155	7.294	ppbv	94
9) Propene	2.706	41	451033	8.331	ppbv	99
10) Heptane	7.565	43	1173725	9.290	ppbv	99
11) Trichlorofluoromethane	3.571	101	1258140	8.773	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.070	101	967041	8.927	ppbv	98
13) Ethanol	3.250	45	51928m	12.588	ppbv	
14) Bromoethene	3.375	108	381092	8.813	ppbv	98
15) Acetone	3.475	43	1018265	9.161	ppbv	99
16) 1,3-Butadiene	2.996	39	511606	9.073	ppbv	100
17) tert-Butyl alcohol	3.883	59	799697	8.017	ppbv	100
18) 1,1-Dichloroethene	3.886	96	424333	8.903	ppbv	95
19) Isopropyl Alcohol	3.581	45	497429	8.779	ppbv	98
20) Methylene Chloride	3.938	84	1066698	20.756	ppbv	97
21) Allyl Chloride	3.999	41	654649	8.649	ppbv	98
22) trans-1,2-Dichloroethene	4.446	96	438767	9.306	ppbv	96
23) Vinyl Acetate	4.626	43	444018	8.837	ppbv	98
24) 1,1-Dichloroethane	4.565	63	898940	8.984	ppbv	99
25) Ethyl Acetate	5.205	43	2417029	9.972	ppbv	96
26) Hexane	5.211	57	1311749	12.753	ppbv #	81
27) Carbon Disulfide	4.128	76	1058553	9.793	ppbv	98
28) Methyl tert-Butyl Ether	4.587	73	711919	8.239	ppbv	100
29) Chloroform	5.272	83	1303907	8.781	ppbv	98
30) Cyclohexane	6.590	84	696471	8.744	ppbv	91
31) cis-1,2-Dichloroethene	5.076	61	836328	8.990	ppbv	95
32) 1,1,1-Trichloroethane	5.996	97	1243116	9.248	ppbv	98
34) 2-Butanone	4.787	43	1066058	8.454	ppbv	97
35) Carbon Tetrachloride	6.484	117	1331147	9.767	ppbv	98
36) Benzene	6.362	78	1813295	9.238	ppbv	97
37) 1,2-Dichloroethane	5.803	62	984522	9.216	ppbv	99
38) Trichloroethene	7.278	130	1039289	9.797	ppbv	97
39) 1,2-Dichloropropane	7.063	63	677807	8.943	ppbv	96
40) 1,4-Dioxane	7.278	88	271310	8.766	ppbv #	1
41) Tetrahydrofuran	5.552	42	722047	9.333	ppbv	96
42) Bromodichloromethane	7.237	83	1400715	9.426	ppbv	100
43) Methyl Methacrylate	7.465	69	702758	9.822	ppbv	97
44) 2,2,4-Trimethylpentane	7.317	57	3097988	9.157	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	633379	10.475	ppbv	98

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46) cis-1,3-Dichloropropene	8.131	75	885844	10.291	ppbv	96
47) 1,1,2-Trichloroethane	8.886	97	748827	9.038	ppbv	97
48) Dibromochloromethane	9.690	129	1240345	9.942	ppbv	99
49) Bromoform	12.384	173	1034689	10.028	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	1905719	9.617	ppbv	99
51) 2-Hexanone	9.539	43	1455771	9.924	ppbv #	99
52) Tetrachloroethene	10.600	164	681125	9.096	ppbv	94
53) Toluene	9.208	91	2135120	9.780	ppbv	100
54) 1,2-Dibromoethane	9.992	107	854531	9.641	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.487	131	910187	8.980	ppbv	96
57) Chlorobenzene	11.507	112	1644523	8.917	ppbv	98
58) Ethyl Benzene	12.069	91	2782753	9.623	ppbv	99
59) m/p-Xylene	12.352	91	4767255m	18.524	ppbv	
60) o-Xylene	13.040	91	2312632	9.410	ppbv	99
61) Styrene	12.880	104	1374464	10.384	ppbv	98
62) Isopropylbenzene	14.011	105	3333170	9.013	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.027	83	867111	8.845	ppbv	99
64) n-propylbenzene	14.896	120	867217	9.157	ppbv	95
65) tert-Butylbenzene	16.072	119	2954983	9.044	ppbv	100
66) Benzyl Chloride	16.304	91	227371	8.740	ppbv	98
67) sec-Butylbenzene	16.616	105	4134407	9.022	ppbv	98
69) p-Isopropyltoluene	16.979	119	3406361	9.046	ppbv	99
70) n-Butylbenzene	17.866	91	3375740	9.145	ppbv	99
71) 2-Chlorotoluene	14.783	91	2449738	9.175	ppbv	99
72) 4-Ethyltoluene	15.172	105	2630448	9.375	ppbv	99
73) 1,3,5-Trimethylbenzene	15.330	105	2386285	9.295	ppbv	97
74) 1,2,4-Trimethylbenzene	16.088	105	2577212	8.956	ppbv	97
75) 1,3-Dichlorobenzene	16.310	146	1546029	9.004	ppbv	99
76) 1,4-Dichlorobenzene	16.452	146	1466931	8.540	ppbv	99
77) 1,2-Dichlorobenzene	17.121	146	1455755	8.694	ppbv	100
78) Hexachloro-1,3-Butadiene	22.606	225	1001895	7.831	ppbv	99
79) Naphthalene	21.355	128	1888195	9.942	ppbv	98
80) Naphthalene,2-methyl-	24.358	142	671168	9.399	ppbv	98
81) 1,2,4-Trichlorobenzene	21.114	180	1085071	8.699	ppbv	99

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

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