

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
 Data File : VL039508.D
 Acq On : 20 Jul 2022 11:39
 Operator : SY/AP
 Sample : VL0719SABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/21/2022
 Supervised By : Mahesh Dadoda 07/21/2022

Quant Time: Jul 21 05:30:53 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 20 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.677	49	977996	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.189	114	2736468	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.102	117	2697899m	10.000	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.430 95 2082913 10.407 ppbv 0.04
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	2230545	15.812	ppbv	99
3) Chlorodifluoromethane	2.996	51	1336528	10.772	ppbv	100
4) Chloromethane	3.147	50	727647	10.722	ppbv	98
5) Vinyl Chloride	3.266	62	717792	10.727	ppbv	100
6) Bromomethane	3.481	94	315930	11.218	ppbv	93
7) Chloroethane	3.568	64	264542	11.114	ppbv	98
8) Dichlorotetrafluoroethane	3.198	85	1742424	11.307	ppbv	99
9) Propene	3.018	41	604122	10.781	ppbv	98
10) Heptane	8.137	43	1491239	11.362	ppbv	98
11) Trichlorofluoromethane	3.960	101	1701035	10.821	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.494	101	1259452	10.747	ppbv	99
13) Ethanol	3.610	45	38744m	11.918	ppbv	
14) Bromoethene	3.748	108	543535	11.033	ppbv	99
15) Acetone	3.854	43	1252321	10.824	ppbv	98
16) 1,3-Butadiene	3.337	39	672795	11.207	ppbv	99
17) tert-Butyl alcohol	4.292	59	1076042	10.957	ppbv	100
18) 1,1-Dichloroethene	4.298	96	559141	10.532	ppbv	96
19) Isopropyl Alcohol	3.967	45	587204	9.514	ppbv	99
20) Methylene Chloride	4.353	84	466321	10.111	ppbv	97
21) Allyl Chloride	4.420	41	885994	11.056	ppbv	97
22) trans-1,2-Dichloroethene	4.896	96	575378	11.196	ppbv	99
23) Vinyl Acetate	5.083	43	1006296	13.014	ppbv	97
24) 1,1-Dichloroethane	5.022	63	1226530	11.231	ppbv	99
25) Ethyl Acetate	5.684	43	2689177	11.335	ppbv	99
26) Hexane	5.700	57	1161305	12.143	ppbv	99
27) Carbon Disulfide	4.559	76	1337546	11.587	ppbv	100
28) Methyl tert-Butyl Ether	5.044	73	1202633	11.762	ppbv	96
29) Chloroform	5.764	83	1858027	11.173	ppbv	100
30) Cyclohexane	7.144	84	982090	11.280	ppbv	99
31) cis-1,2-Dichloroethene	5.558	61	1160171	11.433	ppbv	96
32) 1,1,1-Trichloroethane	6.526	97	1856098	11.308	ppbv	100
34) 2-Butanone	5.250	43	1623140	11.783	ppbv	99
35) Carbon Tetrachloride	7.031	117	1988762	11.762	ppbv	100
36) Benzene	6.906	78	2411886	11.388	ppbv	96
37) 1,2-Dichloroethane	6.317	62	1394918	11.159	ppbv	100
38) Trichloroethene	7.848	130	1291205	11.272	ppbv	98
39) 1,2-Dichloropropane	7.626	63	896625	11.332	ppbv	99
40) 1,4-Dioxane	7.845	88	299144m	9.488	ppbv	
41) Tetrahydrofuran	6.060	42	945259	11.842	ppbv	99
42) Bromodichloromethane	7.806	83	1985548	11.780	ppbv	98
43) Methyl Methacrylate	8.025	69	983236	12.209	ppbv	99
44) 2,2,4-Trimethylpentane	7.883	57	3999312	11.143	ppbv	100
45) t-1,3-Dichloropropene	9.295	75	989144	13.796	ppbv	98

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46) cis-1,3-Dichloropropene	8.716	75	1274783	12.917	ppbv	98
47) 1,1,2-Trichloroethane	9.488	97	994625	11.204	ppbv	98
48) Dibromochloromethane	10.320	129	1787405	12.668	ppbv	99
49) Bromoform	13.057	173	1489530	13.085	ppbv	99
50) 4-Methyl-2-Pentanone	8.751	43	2531441	12.154	ppbv	98
51) 2-Hexanone	10.144	43	1957699	12.426	ppbv	100
52) Tetrachloroethene	11.237	164	954561	11.196	ppbv	99
53) Toluene	9.822	91	2895732	11.853	ppbv	100
54) 1,2-Dibromoethane	10.626	107	1306444	11.827	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.137	131	1303551	10.937	ppbv	97
57) Chlorobenzene	12.163	112	2214785	10.589	ppbv	99
58) Ethyl Benzene	12.725	91	3862596	11.088	ppbv	100
59) m/p-Xylene	13.008	91	6644303m	21.634	ppbv	
60) o-Xylene	13.706	91	3221290	11.076	ppbv	100
61) Styrene	13.542	104	1914318	12.151	ppbv	99
62) Isopropylbenzene	14.680	105	4797178	10.832	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.687	83	1528017	10.024	ppbv	99
64) n-propylbenzene	15.574	120	1264420	11.264	ppbv	97
65) tert-Butylbenzene	16.757	119	4424568	10.811	ppbv	99
66) Benzyl Chloride	16.999	91	474296	12.196	ppbv	98
67) sec-Butylbenzene	17.307	105	6018660	10.918	ppbv	99
69) p-Isopropyltoluene	17.664	119	5201849	11.122	ppbv	99
70) n-Butylbenzene	18.561	91	5007935	11.032	ppbv	100
71) 2-Chlorotoluene	15.468	91	3523067	11.115	ppbv	99
72) 4-Ethyltoluene	15.851	105	3892137	11.383	ppbv	100
73) 1,3,5-Trimethylbenzene	16.008	105	3577655	11.392	ppbv	97
74) 1,2,4-Trimethylbenzene	16.773	105	3846837	11.073	ppbv	96
75) 1,3-Dichlorobenzene	17.011	146	2290690	11.054	ppbv	100
76) 1,4-Dichlorobenzene	17.150	146	2222631	10.821	ppbv	99
77) 1,2-Dichlorobenzene	17.828	146	2215110	10.784	ppbv	99
78) Hexachloro-1,3-Butadiene	23.384	225	1574603	9.531	ppbv	99
79) Naphthalene	22.207	128	2994097	12.523	ppbv	98
80) Naphthalene,2-methyl-	24.979	142	969341	11.912	ppbv	97
81) 1,2,4-Trichlorobenzene	21.940	180	1738477	11.164	ppbv	100

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

