

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
 Data File : VL039507.D
 Acq On : 20 Jul 2022 10:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0719ABS02

Manual Integrations APPROVED

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

Quant Time: Jul 21 05:30:12 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	960589	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.185	114	2735386	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.095	117	2699275m	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.426 95 2116713 10.571 ppbv 0.04
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	1000327	7.220	ppbv	100
3) Chlorodifluoromethane	2.996	51	1247293	10.235	ppbv	99
4) Chloromethane	3.147	50	682476	10.239	ppbv	98
5) Vinyl Chloride	3.266	62	652385	9.926	ppbv	97
6) Bromomethane	3.481	94	307603	11.120	ppbv	90
7) Chloroethane	3.568	64	252018	10.780	ppbv	97
8) Dichlorotetrafluoroethane	3.195	85	1441772	9.526	ppbv	99
9) Propene	3.018	41	513076	9.322	ppbv	100
10) Heptane	8.134	43	1416433	10.988	ppbv	100
11) Trichlorofluoromethane	3.960	101	1680129	10.882	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.494	101	1209340	10.507	ppbv	100
13) Ethanol	3.604	45	37839m	11.850	ppbv	
14) Bromoethene	3.748	108	522414	10.796	ppbv	98
15) Acetone	3.854	43	1261141	11.097	ppbv	99
16) 1,3-Butadiene	3.337	39	638503	10.828	ppbv	99
17) tert-Butyl alcohol	4.288	59	1127555	11.690	ppbv	100
18) 1,1-Dichloroethene	4.298	96	545077	10.453	ppbv	98
19) Isopropyl Alcohol	3.964	45	656777	10.835	ppbv	98
20) Methylene Chloride	4.356	84	460428	10.165	ppbv	95
21) Allyl Chloride	4.420	41	839591	10.667	ppbv	100
22) trans-1,2-Dichloroethene	4.893	96	556202	11.019	ppbv	95
23) Vinyl Acetate	5.079	43	949214	12.498	ppbv	99
24) 1,1-Dichloroethane	5.022	63	1163971	10.852	ppbv	98
25) Ethyl Acetate	5.684	43	2563166	11.000	ppbv	100
26) Hexane	5.697	57	1099700	11.708	ppbv	100
27) Carbon Disulfide	4.559	76	1314767	11.596	ppbv	100
28) Methyl tert-Butyl Ether	5.044	73	1095228	10.905	ppbv	98
29) Chloroform	5.761	83	1773032	10.855	ppbv	99
30) Cyclohexane	7.140	84	936969	10.957	ppbv	98
31) cis-1,2-Dichloroethene	5.558	61	1088937	10.926	ppbv	99
32) 1,1,1-Trichloroethane	6.523	97	1799795	11.164	ppbv	99
34) 2-Butanone	5.250	43	1534886	11.147	ppbv	100
35) Carbon Tetrachloride	7.031	117	1932133	11.431	ppbv	100
36) Benzene	6.902	78	2260983	10.680	ppbv	96
37) 1,2-Dichloroethane	6.314	62	1358211	10.869	ppbv	99
38) Trichloroethene	7.845	130	1255107	10.961	ppbv	97
39) 1,2-Dichloropropane	7.626	63	835048	10.558	ppbv	95
40) 1,4-Dioxane	7.838	88	325099	10.315	ppbv #	1
41) Tetrahydrofuran	6.060	42	857193	10.743	ppbv	99
42) Bromodichloromethane	7.803	83	1935771	11.489	ppbv	99
43) Methyl Methacrylate	8.021	69	928849	11.539	ppbv	99
44) 2,2,4-Trimethylpentane	7.880	57	3775144	10.523	ppbv	99
45) t-1,3-Dichloropropene	9.288	75	965122m	13.466	ppbv	

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46) cis-1,3-Dichloropropene	8.713	75	1251992	12.691	ppbv	100
47) 1,1,2-Trichloroethane	9.488	97	967955	10.908	ppbv	98
48) Dibromochloromethane	10.317	129	1730716	12.271	ppbv	99
49) Bromoform	13.050	173	1445071	12.700	ppbv	99
50) 4-Methyl-2-Pentanone	8.751	43	2399734	11.526	ppbv	99
51) 2-Hexanone	10.140	43	1877982	11.925	ppbv #	100
52) Tetrachloroethene	11.233	164	913941	10.724	ppbv	97
53) Toluene	9.819	91	2759324	11.300	ppbv	99
54) 1,2-Dibromoethane	10.623	107	1285310	11.640	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.137	131	1277971	10.717	ppbv	94
57) Chlorobenzene	12.159	112	2174101	10.389	ppbv	98
58) Ethyl Benzene	12.722	91	3761068	10.791	ppbv	99
59) m/p-Xylene	13.008	91	6486186m	21.108	ppbv	
60) o-Xylene	13.703	91	3124240	10.737	ppbv	99
61) Styrene	13.539	104	1894353	12.018	ppbv	100
62) Isopropylbenzene	14.677	105	4645407	10.484	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.687	83	1440162	9.443	ppbv	99
64) n-propylbenzene	15.574	120	1227570	10.930	ppbv	99
65) tert-Butylbenzene	16.757	119	4282888	10.460	ppbv	99
66) Benzyl Chloride	16.995	91	514004m	13.210	ppbv	
67) sec-Butylbenzene	17.304	105	5889166	10.678	ppbv	99
69) p-Isopropyltoluene	17.664	119	5090178	10.877	ppbv	100
70) n-Butylbenzene	18.561	91	4983414	10.972	ppbv	100
71) 2-Chlorotoluene	15.462	91	3428746	10.812	ppbv	100
72) 4-Ethyltoluene	15.851	105	3883397	11.352	ppbv	99
73) 1,3,5-Trimethylbenzene	16.008	105	3447955	10.974	ppbv	97
74) 1,2,4-Trimethylbenzene	16.773	105	3789611	10.903	ppbv	99
75) 1,3-Dichlorobenzene	17.005	146	2261271	10.906	ppbv	100
76) 1,4-Dichlorobenzene	17.146	146	2221599	10.811	ppbv	98
77) 1,2-Dichlorobenzene	17.828	146	2207174	10.739	ppbv	99
78) Hexachloro-1,3-Butadiene	23.384	225	1568405	9.489	ppbv	99
79) Naphthalene	22.207	128	3119481	13.041	ppbv	99
80) Naphthalene,2-methyl-	24.976	142	1172918	14.407	ppbv	97
81) 1,2,4-Trichlorobenzene	21.934	180	1759759	11.295	ppbv	99

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

