

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041122\
 Data File : VL038887.D
 Acq On : 12 Apr 2022 9:56
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/13/2022
 Supervised By : Mahesh Dadoda 04/14/2022

Quant Time: Apr 13 06:44:20 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 06 06:12:53 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.665	49	1095895	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.173	114	2984389	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.082	117	2907353m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.410 95 2270745 10.297 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.051	85	2035047	13.092	ppbv	99
3) Chlorodifluoromethane	2.993	51	1283280	9.595	ppbv	99
4) Chloromethane	3.141	50	661242	9.548	ppbv	96
5) Vinyl Chloride	3.260	62	612857	9.577	ppbv	96
6) Bromomethane	3.478	94	295530	9.545	ppbv	98
7) Chloroethane	3.555	64	202009	9.467	ppbv	90
8) Dichlorotetrafluoroethane	3.192	85	1415240	9.746	ppbv	98
9) Propene	3.015	41	676433	9.559	ppbv	100
10) Heptane	8.118	43	1658096	9.303	ppbv	98
11) Trichlorofluoromethane	3.951	101	1326736	10.622	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.485	101	998771	10.439	ppbv	96
13) Ethanol	3.600	45	40499m	9.418	ppbv	
14) Bromoethene	3.742	108	419949	9.980	ppbv	97
15) Acetone	3.848	43	1087848	9.971	ppbv	97
16) 1,3-Butadiene	3.330	39	604741	9.695	ppbv	97
17) tert-Butyl alcohol	4.282	59	710407	7.261	ppbv	99
18) 1,1-Dichloroethene	4.292	96	457320	10.485	ppbv	97
19) Isopropyl Alcohol	3.964	45	458857	8.229	ppbv #	100
20) Methylene Chloride	4.343	84	361622	9.139	ppbv	94
21) Allyl Chloride	4.414	41	773013	9.463	ppbv	99
22) trans-1,2-Dichloroethene	4.886	96	469127	10.623	ppbv	97
23) Vinyl Acetate	5.070	43	1105428	10.404	ppbv	99
24) 1,1-Dichloroethane	5.012	63	950972	9.904	ppbv	99
25) Ethyl Acetate	5.674	43	2695889	9.738	ppbv	100
26) Hexane	5.687	57	1185678	9.409	ppbv	98
27) Carbon Disulfide	4.552	76	1194003	10.332	ppbv	98
28) Methyl tert-Butyl Ether	5.031	73	896090	9.207	ppbv	100
29) Chloroform	5.755	83	1764143	10.006	ppbv	95
30) Cyclohexane	7.131	84	1029112	9.266	ppbv	98
31) cis-1,2-Dichloroethene	5.549	61	1157124	9.987	ppbv	100
32) 1,1,1-Trichloroethane	6.510	97	1730097	9.740	ppbv	99
34) 2-Butanone	5.243	43	1147619	9.732	ppbv	99
35) Carbon Tetrachloride	7.018	117	1761836	9.847	ppbv	98
36) Benzene	6.890	78	2538073	9.348	ppbv	98
37) 1,2-Dichloroethane	6.304	62	1294310	10.427	ppbv	98
38) Trichloroethene	7.832	130	1002233	8.997	ppbv	96
39) 1,2-Dichloropropane	7.613	63	973394	9.374	ppbv	98
40) 1,4-Dioxane	7.825	88	321594	9.120	ppbv #	100
41) Tetrahydrofuran	6.047	42	1071390	9.566	ppbv	99
42) Bromodichloromethane	7.793	83	1963895	10.019	ppbv	99
43) Methyl Methacrylate	8.009	69	1065180	10.244	ppbv	99
44) 2,2,4-Trimethylpentane	7.867	57	4202134	9.142	ppbv	100
45) t-1,3-Dichloropropene	9.275	75	1065034	9.795	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.700	75	1375183	9.593	ppbv	97
47) 1,1,2-Trichloroethane	9.475	97	1033024	9.708	ppbv	97
48) Dibromochloromethane	10.301	129	1674478	10.041	ppbv	99
49) Bromoform	13.034	173	1356816	10.272	ppbv	99
50) 4-Methyl-2-Pentanone	8.738	43	2645037	9.972	ppbv	100
51) 2-Hexanone	10.124	43	2001215	10.013	ppbv	99
52) Tetrachloroethene	11.217	164	850545	8.969	ppbv	96
53) Toluene	9.803	91	2956811	9.434	ppbv	99
54) 1,2-Dibromoethane	10.607	107	1486181	10.055	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.121	131	1153415	9.053	ppbv #	62
57) Chlorobenzene	12.143	112	2061916	8.659	ppbv	97
58) Ethyl Benzene	12.706	91	3953788	9.101	ppbv	96
59) m/p-Xylene	12.992	91	6538265m	17.914	ppbv	
60) o-Xylene	13.690	91	3079603	9.017	ppbv	95
61) Styrene	13.523	104	1932535	9.288	ppbv	99
62) Isopropylbenzene	14.661	105	4515539	8.808	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.671	83	1916393	8.859	ppbv	100
64) n-propylbenzene	15.555	120	1172511	8.809	ppbv	88
65) tert-Butylbenzene	16.741	119	3843977	8.452	ppbv	97
66) Benzyl Chloride	16.986	91	562109	6.071	ppbv	95
67) sec-Butylbenzene	17.288	105	5627736	8.818	ppbv	98
69) p-Isopropyltoluene	17.648	119	4659414	8.891	ppbv	99
70) n-Butylbenzene	18.545	91	4991734	9.456	ppbv	98
71) 2-Chlorotoluene	15.449	91	3535946	9.173	ppbv	97
72) 4-Ethyltoluene	15.835	105	3751659	9.199	ppbv	98
73) 1,3,5-Trimethylbenzene	15.992	105	3364337	9.183	ppbv	96
74) 1,2,4-Trimethylbenzene	16.761	105	3475068	8.973	ppbv	94
75) 1,3-Dichlorobenzene	16.989	146	2023708	9.000	ppbv	100
76) 1,4-Dichlorobenzene	17.134	146	1960821	8.852	ppbv	98
77) 1,2-Dichlorobenzene	17.812	146	1964182	8.861	ppbv	100
78) Hexachloro-1,3-Butadiene	23.368	225	1360728	7.769	ppbv	100
79) Naphthalene	22.191	128	2721466	9.394	ppbv	96
80) Naphthalene,2-methyl-	24.966	142	560973	7.858	ppbv	99
81) 1,2,4-Trichlorobenzene	21.918	180	1518339	8.955	ppbv	99

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

