

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
 Data File : VL039787.D
 Acq On : 25 Oct 2022 11:37
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/28/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 25 12:09:00 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon Oct 24 20:00:55 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	964007	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2514325	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2458951m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1694606 9.688 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.900%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.748	85	966685	9.577 ppbv	99
3) Chlorodifluoromethane	2.694	51	1131683	9.773 ppbv	100
4) Chloromethane	2.832	50	712678	9.831 ppbv	97
5) Vinyl Chloride	2.938	62	602769	10.025 ppbv	97
6) Bromomethane	3.137	94	209310	9.690 ppbv	100
7) Chloroethane	3.214	64	219757	10.177 ppbv	99
8) Dichlorotetrafluoroethane	2.874	85	1307639	9.924 ppbv	99
9) Propene	2.713	41	528424	10.621 ppbv	94
10) Heptane	7.581	43	1305951	10.963 ppbv	99
11) Trichlorofluoromethane	3.578	101	1394477	9.888 ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.079	101	1054562	9.642 ppbv	98
13) Ethanol	3.256	45	39829m	11.146 ppbv	
14) Bromoethene	3.382	108	422188	9.727 ppbv	99
15) Acetone	3.485	43	1045805	9.083 ppbv	99
16) 1,3-Butadiene	3.002	39	574627	10.097 ppbv	99
17) tert-Butyl alcohol	3.890	59	942604	10.037 ppbv	98
18) 1,1-Dichloroethene	3.893	96	469836	9.762 ppbv	98
19) Isopropyl Alcohol	3.591	45	591839	10.970 ppbv	98
20) Methylene Chloride	3.944	84	398207	9.090 ppbv	94
21) Allyl Chloride	4.009	41	727877	9.767 ppbv	97
22) trans-1,2-Dichloroethene	4.456	96	483461	9.670 ppbv	99
23) Vinyl Acetate	4.636	43	427576	9.633 ppbv	98
24) 1,1-Dichloroethane	4.574	63	998317	9.658 ppbv	99
25) Ethyl Acetate	5.211	43	2382104	10.582 ppbv	99
26) Hexane	5.221	57	967427	10.335 ppbv	99
27) Carbon Disulfide	4.134	76	1200418	10.803 ppbv	97
28) Methyl tert-Butyl Ether	4.597	73	789019	9.689 ppbv	98
29) Chloroform	5.282	83	1441541	9.796 ppbv	99
30) Cyclohexane	6.607	84	794362	10.357 ppbv	97
31) cis-1,2-Dichloroethene	5.089	61	927922	10.270 ppbv	98
32) 1,1,1-Trichloroethane	6.009	97	1384190	10.364 ppbv	99
34) 2-Butanone	4.796	43	1183015	10.001 ppbv	100
35) Carbon Tetrachloride	6.497	117	1465615	10.224 ppbv	98
36) Benzene	6.375	78	2011883	10.390 ppbv	99
37) 1,2-Dichloroethane	5.809	62	1077266	10.244 ppbv	99
38) Trichloroethene	7.291	130	1165621	10.663 ppbv	99
39) 1,2-Dichloropropane	7.076	63	759824	10.186 ppbv	95
40) 1,4-Dioxane	7.288	88	317269	12.478 ppbv #	100
41) Tetrahydrofuran	5.565	42	829979	11.293 ppbv	99
42) Bromodichloromethane	7.250	83	1535678	10.370 ppbv	100
43) Methyl Methacrylate	7.478	69	788422	11.692 ppbv	97
44) 2,2,4-Trimethylpentane	7.327	57	3425221	10.581 ppbv	99
45) t-1,3-Dichloropropene	8.706	75	704757	12.302 ppbv	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	998004	12.140	ppbv	100
47) 1,1,2-Trichloroethane	8.896	97	802098	10.042	ppbv	98
48) Dibromochloromethane	9.706	129	1325324	10.307	ppbv	100
49) Bromoform	12.401	173	1059732	10.119	ppbv	98
50) 4-Methyl-2-Pentanone	8.182	43	2186413	11.781	ppbv	98
51) 2-Hexanone	9.549	43	1677232	12.344	ppbv #	99
52) Tetrachloroethene	10.613	164	743387	10.249	ppbv	96
53) Toluene	9.217	91	2350294	11.585	ppbv	100
54) 1,2-Dibromoethane	10.008	107	918280	11.325	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.503	131	959327	9.220	ppbv	99
57) Chlorobenzene	11.523	112	1739059	9.220	ppbv	98
58) Ethyl Benzene	12.085	91	3012495	10.754	ppbv	99
59) m/p-Xylene	12.368	91	5074806m	20.071	ppbv	
60) o-Xylene	13.050	91	2417348	10.197	ppbv	99
61) Styrene	12.896	104	1436286	11.536	ppbv	99
62) Isopropylbenzene	14.028	105	3501233	9.667	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.037	83	822389	8.247	ppbv	99
64) n-propylbenzene	14.912	120	892118	9.727	ppbv	97
65) tert-Butylbenzene	16.085	119	2986735	9.463	ppbv	100
66) Benzyl Chloride	16.320	91	194857	8.704	ppbv	97
67) sec-Butylbenzene	16.632	105	4159488	9.356	ppbv	100
69) p-Isopropyltoluene	16.989	119	3422681	9.517	ppbv	99
70) n-Butylbenzene	17.879	91	3364603	9.784	ppbv	99
71) 2-Chlorotoluene	14.793	91	2511447	9.984	ppbv	99
72) 4-Ethyltoluene	15.188	105	2738693	10.028	ppbv	98
73) 1,3,5-Trimethylbenzene	15.346	105	2433082	9.955	ppbv	97
74) 1,2,4-Trimethylbenzene	16.105	105	2623960	9.480	ppbv	92
75) 1,3-Dichlorobenzene	16.323	146	1510465	8.991	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	1452478	9.066	ppbv	98
77) 1,2-Dichlorobenzene	17.133	146	1451131	9.059	ppbv	99
78) Hexachloro-1,3-Butadiene	22.625	225	1043290	8.546	ppbv	99
79) Naphthalene	21.371	128	2145318	12.675	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	653702	11.374	ppbv	95
81) 1,2,4-Trichlorobenzene	21.127	180	1176797	10.520	ppbv	99

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

