

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038648.D
 Acq On : 21 Mar 2022 12:37
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/22/2022
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 21 14:59:25 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 22 14:59:25 2022

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.658	49	951172	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.166	114	2515037	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.076	117	2350645m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.404 95 1878967 10.514 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.100%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	3.047	85	1096607m	7.633	ppbv
3) Chlorodifluoromethane	2.986	51	931480	5.554	ppbv 99
4) Chloromethane	3.137	50	521324	8.385	ppbv 100
5) Vinyl Chloride	3.256	62	502411	8.051	ppbv 98
6) Bromomethane	3.472	94	287036	8.569	ppbv 99
7) Chloroethane	3.552	64	179538	8.886	ppbv 97
8) Dichlorotetrafluoroethane	3.186	85	1202754	8.636	ppbv 98
9) Propene	3.009	41	450726	7.616	ppbv 99
10) Heptane	8.111	43	1183010	8.356	ppbv 97
11) Trichlorofluoromethane	3.948	101	1091498	8.665	ppbv 100
12) 1,1,2-Trichlorotrifluoro...	4.481	101	846986	8.648	ppbv 99
13) Ethanol	3.604	45	40501m	5.958	ppbv
14) Bromoethene	3.735	108	370876	8.888	ppbv 97
15) Acetone	3.841	43	751264	11.197	ppbv 99
16) 1,3-Butadiene	3.324	39	448850	8.326	ppbv 93
17) tert-Butyl alcohol	4.279	59	716726	9.832	ppbv 100
18) 1,1-Dichloroethene	4.282	96	376514	8.590	ppbv 96
19) Isopropyl Alcohol	3.957	45	448966	10.022	ppbv 99
20) Methylene Chloride	4.337	84	311455	7.714	ppbv 99
21) Allyl Chloride	4.404	41	582559	9.009	ppbv 99
22) trans-1,2-Dichloroethene	4.880	96	409293	8.908	ppbv 99
23) Vinyl Acetate	5.063	43	832057	8.652	ppbv 99
24) 1,1-Dichloroethane	5.005	63	772318	8.830	ppbv 99
25) Ethyl Acetate	5.668	43	2018856	8.935	ppbv 99
26) Hexane	5.677	57	889469	8.382	ppbv 95
27) Carbon Disulfide	4.546	76	972540	9.203	ppbv 99
28) Methyl tert-Butyl Ether	5.025	73	678526	7.857	ppbv 99
29) Chloroform	5.745	83	1418653	8.591	ppbv 98
30) Cyclohexane	7.121	84	783325	8.536	ppbv 96
31) cis-1,2-Dichloroethene	5.542	61	869465	8.566	ppbv 97
32) 1,1,1-Trichloroethane	6.504	97	1372663	8.572	ppbv 99
34) 2-Butanone	5.234	43	896971	13.759	ppbv 100
35) Carbon Tetrachloride	7.009	117	1439975	8.394	ppbv 97
36) Benzene	6.883	78	1919838	8.459	ppbv 98
37) 1,2-Dichloroethane	6.298	62	965136	8.899	ppbv 100
38) Trichloroethene	7.825	130	809167	8.925	ppbv 98
39) 1,2-Dichloropropane	7.600	63	744718	8.532	ppbv 97
40) 1,4-Dioxane	7.819	88	268766	12.303	ppbv # 28
41) Tetrahydrofuran	6.038	42	750690	14.076	ppbv 96
42) Bromodichloromethane	7.783	83	1508161	8.770	ppbv 99
43) Methyl Methacrylate	8.002	69	772416	9.915	ppbv 97
44) 2,2,4-Trimethylpentane	7.861	57	3160966	8.237	ppbv 98
45) t-1,3-Dichloropropene	9.269	75	847810	15.101	ppbv 98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.690	75	1095621	14.272	ppbv	98
47) 1,1,2-Trichloroethane	9.462	97	789987	8.880	ppbv	98
48) Dibromochloromethane	10.291	129	1358728	9.620	ppbv	100
49) Bromoform	13.028	173	1138580	10.524	ppbv	99
50) 4-Methyl-2-Pentanone	8.729	43	1930710	14.447	ppbv	99
51) 2-Hexanone	10.121	43	1506461	26.676	ppbv #	98
52) Tetrachloroethene	11.211	164	688256	8.274	ppbv	98
53) Toluene	9.796	91	2182672	9.009	ppbv	99
54) 1,2-Dibromoethane	10.597	107	1162189	9.143	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.114	131	935557	9.771	ppbv	99
57) Chlorobenzene	12.137	112	1603850	8.937	ppbv	98
58) Ethyl Benzene	12.696	91	2838525	9.327	ppbv	98
59) m/p-Xylene	12.986	91	4786034m	18.369	ppbv	
60) o-Xylene	13.680	91	2292229	9.317	ppbv	100
61) Styrene	13.516	104	1415029	11.671	ppbv	100
62) Isopropylbenzene	14.658	105	3395475	10.002	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.664	83	1567008	7.538	ppbv	100
64) n-propylbenzene	15.548	120	914616	10.571	ppbv	97
65) tert-Butylbenzene	16.732	119	3003132	9.892	ppbv	100
66) Benzyl Chloride	16.976	91	727846	40.461	ppbv	99
67) sec-Butylbenzene	17.281	105	4325849	10.025	ppbv	100
69) p-Isopropyltoluene	17.638	119	3601771	10.076	ppbv	99
70) n-Butylbenzene	18.535	91	3785017	9.942	ppbv	100
71) 2-Chlorotoluene	15.439	91	2558030	10.148	ppbv	99
72) 4-Ethyltoluene	15.825	105	2803265	9.919	ppbv	100
73) 1,3,5-Trimethylbenzene	15.986	105	2476735	9.440	ppbv	99
74) 1,2,4-Trimethylbenzene	16.751	105	2629462	9.382	ppbv	94
75) 1,3-Dichlorobenzene	16.982	146	1654553	9.357	ppbv	99
76) 1,4-Dichlorobenzene	17.124	146	1680037m	9.592	ppbv	
77) 1,2-Dichlorobenzene	17.802	146	1629293	9.108	ppbv	99
78) Hexachloro-1,3-Butadiene	23.362	225	1326342	7.601	ppbv	99
79) Naphthalene	22.178	128	2487614	9.867	ppbv	99
80) Naphthalene,2-methyl-	24.960	142	667317	14.995	ppbv	98
81) 1,2,4-Trichlorobenzene	21.908	180	1442463	8.954	ppbv	100

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

