

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
 Data File : VL038792.D
 Acq On : 29 Mar 2022 7:37
 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 03/29/2022
 Supervised By : Mahesh Dadoda 03/29/2022

Quant Time: Mar 29 08:26:43 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 29 2022

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.652	49	857593	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.160	114	2496120	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.066	117	2118992m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.394 95 1730396 10.651 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.047	85	1054730	9.149	ppbv	100
3) Chlorodifluoromethane	2.986	51	903055	9.970	ppbv	98
4) Chloromethane	3.137	50	500557	10.065	ppbv	96
5) Vinyl Chloride	3.253	62	475941	9.419	ppbv	98
6) Bromomethane	3.469	94	253408	9.407	ppbv	98
7) Chloroethane	3.552	64	164420	9.829	ppbv	94
8) Dichlorotetrafluoroethane	3.186	85	1082525	9.405	ppbv	91
9) Propene	3.009	41	442866	10.128	ppbv	99
10) Heptane	8.105	43	1116520	10.681	ppbv	99
11) Trichlorofluoromethane	3.944	101	1024096	10.065	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.478	101	832543	10.629	ppbv	97
13) Ethanol	3.597	45	35389	7.337	ppbv	91
14) Bromoethene	3.732	108	347431	9.981	ppbv	99
15) Acetone	3.842	43	702886	9.499	ppbv	100
16) 1,3-Butadiene	3.324	39	424848	10.117	ppbv	99
17) tert-Butyl alcohol	4.272	59	780597	12.078	ppbv	100
18) 1,1-Dichloroethene	4.282	96	380173	10.804	ppbv	97
19) Isopropyl Alcohol	3.954	45	427905	10.430	ppbv	99
20) Methylene Chloride	4.333	84	306705	9.840	ppbv	99
21) Allyl Chloride	4.404	41	562307	10.558	ppbv	97
22) trans-1,2-Dichloroethene	4.877	96	408052	11.180	ppbv	99
23) Vinyl Acetate	5.060	43	829028	11.570	ppbv	99
24) 1,1-Dichloroethane	4.999	63	749763	10.624	ppbv	99
25) Ethyl Acetate	5.661	43	1874471	10.062	ppbv	100
26) Hexane	5.674	57	841481	10.090	ppbv	98
27) Carbon Disulfide	4.542	76	956507	11.692	ppbv	99
28) Methyl tert-Butyl Ether	5.022	73	724122	11.656	ppbv	99
29) Chloroform	5.739	83	1314699	9.845	ppbv	99
30) Cyclohexane	7.115	84	770955	10.632	ppbv	97
31) cis-1,2-Dichloroethene	5.536	61	658636	8.399	ppbv	97
32) 1,1,1-Trichloroethane	6.497	97	1327342	10.300	ppbv	99
34) 2-Butanone	5.231	43	847572	8.579	ppbv	98
35) Carbon Tetrachloride	7.002	117	1386097	9.570	ppbv	98
36) Benzene	6.877	78	1860505	9.657	ppbv	99
37) 1,2-Dichloroethane	6.292	62	918582	9.374	ppbv	99
38) Trichloroethene	7.819	130	823873	10.209	ppbv	97
39) 1,2-Dichloropropane	7.597	63	705198	9.364	ppbv	98
40) 1,4-Dioxane	7.816	88	241933	9.250	ppbv	89
41) Tetrahydrofuran	6.034	42	717838	9.762	ppbv	99
42) Bromodichloromethane	7.774	83	1468051	9.992	ppbv	99
43) Methyl Methacrylate	7.996	69	746642	10.439	ppbv	98
44) 2,2,4-Trimethylpentane	7.851	57	3001135	9.278	ppbv	100
45) t-1,3-Dichloropropene	9.259	75	787287	10.826	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.684	75	983787	10.005	ppbv	98
47) 1,1,2-Trichloroethane	9.455	97	765801	9.524	ppbv	99
48) Dibromochloromethane	10.285	129	1318290	10.467	ppbv	99
49) Bromoform	13.021	173	1099042	10.706	ppbv	99
50) 4-Methyl-2-Pentanone	8.722	43	1797533	9.786	ppbv	100
51) 2-Hexanone	10.111	43	1354386	10.266	ppbv #	99
52) Tetrachloroethene	11.201	164	704315	9.991	ppbv	96
53) Toluene	9.787	91	2140397	10.340	ppbv	100
54) 1,2-Dibromoethane	10.590	107	1120090	10.202	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.105	131	905786	10.311	ppbv	99
57) Chlorobenzene	12.127	112	1573624	10.297	ppbv	98
58) Ethyl Benzene	12.690	91	2739589	11.059	ppbv	99
59) m/p-Xylene	12.976	91	4520399m	20.861	ppbv	
60) o-Xylene	13.674	91	2118824	10.298	ppbv	97
61) Styrene	13.507	104	1305110	11.697	ppbv	99
62) Isopropylbenzene	14.648	105	3226025	10.430	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.655	83	1401572	8.794	ppbv	99
64) n-propylbenzene	15.539	120	868074	10.695	ppbv	99
65) tert-Butylbenzene	16.725	119	2789596	10.037	ppbv	98
66) Benzyl Chloride	16.963	91	466593	8.866	ppbv	100
67) sec-Butylbenzene	17.275	105	3967196	9.981	ppbv	99
69) p-Isopropyltoluene	17.635	119	3285750	10.129	ppbv	99
70) n-Butylbenzene	18.529	91	3253260	9.723	ppbv	99
71) 2-Chlorotoluene	15.433	91	2329764	10.148	ppbv	98
72) 4-Ethyltoluene	15.819	105	2603443	10.719	ppbv	99
73) 1,3,5-Trimethylbenzene	15.976	105	2293603	10.363	ppbv	96
74) 1,2,4-Trimethylbenzene	16.741	105	2405782	9.980	ppbv	94
75) 1,3-Dichlorobenzene	16.976	146	1498944	9.762	ppbv	99
76) 1,4-Dichlorobenzene	17.118	146	1479652	9.690	ppbv	99
77) 1,2-Dichlorobenzene	17.796	146	1448630	9.524	ppbv	100
78) Hexachloro-1,3-Butadiene	23.355	225	978491m	6.960	ppbv	
79) Naphthalene	22.172	128	1692982	9.192	ppbv	98
80) Naphthalene,2-methyl-	24.956	142	355439	7.197	ppbv	97
81) 1,2,4-Trichlorobenzene	21.899	180	1030814	8.176	ppbv	100

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

