

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081722\
 Data File : VL039543.D
 Acq On : 17 Aug 2022 8:10
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081722

Quant Time: Aug 17 12:07:00 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 17 12:06:24 2022
 QLast Update : Wed Aug 17 12:06:24 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/18/2022
 Supervised By : Mahesh Dadoda 08/19/2022

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

Internal Standards						
1) Bromochloromethane	5.204	49	1160113	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.660	114	3011865	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2944695m	10.000	ppbv	0.00

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 13.776 95 2241932 10.114 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.751	85	1206876	7.740	ppbv	99
3) Chlorodifluoromethane	2.696	51	1205488	8.670	ppbv	98
4) Chloromethane	2.834	50	735298	8.844	ppbv	94
5) Vinyl Chloride	2.940	62	634501	8.851	ppbv	99
6) Bromomethane	3.140	94	246177	8.387	ppbv	94
7) Chloroethane	3.217	64	227518	8.914	ppbv	100
8) Dichlorotetrafluoroethane	2.879	85	1524809	9.106	ppbv	97
9) Propene	2.712	41	588376	9.289	ppbv	99
10) Heptane	7.587	43	1397289	9.497	ppbv	98
11) Trichlorofluoromethane	3.580	101	1459982	8.524	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.082	101	1096736	8.668	ppbv	98
13) Ethanol	3.259	45	40993	8.992	ppbv	99
14) Bromoethene	3.387	108	464846	8.990	ppbv	98
15) Acetone	3.487	43	1099780	8.391	ppbv	99
16) 1,3-Butadiene	3.005	39	612155	8.993	ppbv	98
17) tert-Butyl alcohol	3.892	59	1079692	9.647	ppbv	100
18) 1,1-Dichloroethene	3.899	96	498098	8.731	ppbv	95
19) Isopropyl Alcohol	3.593	45	614694	9.596	ppbv #	100
20) Methylene Chloride	3.950	84	428725	8.034	ppbv	97
21) Allyl Chloride	4.011	41	795250	9.338	ppbv	99
22) trans-1,2-Dichloroethene	4.461	96	508806	8.977	ppbv	98
23) Vinyl Acetate	4.641	43	521223	7.910	ppbv #	96
24) 1,1-Dichloroethane	4.577	63	1029003	8.873	ppbv	99
25) Ethyl Acetate	5.217	43	2526872	9.042	ppbv	99
26) Hexane	5.226	57	1037411	9.052	ppbv	98
27) Carbon Disulfide	4.140	76	1158717	9.477	ppbv	99
28) Methyl tert-Butyl Ether	4.603	73	913046	9.061	ppbv	99
29) Chloroform	5.284	83	1560272	8.698	ppbv	98
30) Cyclohexane	6.609	84	882142	9.270	ppbv #	100
31) cis-1,2-Dichloroethene	5.091	61	1020093	9.206	ppbv	98
32) 1,1,1-Trichloroethane	6.014	97	1515147	9.006	ppbv	99
34) 2-Butanone	4.802	43	1314272	8.680	ppbv	98
35) Carbon Tetrachloride	6.500	117	1573613	9.287	ppbv	99
36) Benzene	6.381	78	2216437	9.656	ppbv	97
37) 1,2-Dichloroethane	5.818	62	1179147	9.246	ppbv	100
38) Trichloroethene	7.297	130	1209603	9.700	ppbv	99
39) 1,2-Dichloropropane	7.082	63	838635	9.748	ppbv	98
40) 1,4-Dioxane	7.294	88	320862	9.401	ppbv	98
41) Tetrahydrofuran	5.571	42	894553	10.042	ppbv	100
42) Bromodichloromethane	7.255	83	1667790	9.570	ppbv	97
43) Methyl Methacrylate	7.484	69	854326	10.279	ppbv	99
44) 2,2,4-Trimethylpentane	7.332	57	3687469	9.535	ppbv	98
45) t-1,3-Dichloropropene	8.712	75	845617	11.568	ppbv	95

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46) cis-1,3-Dichloropropene	8.149	75	1126641	11.201	ppbv	97
47) 1,1,2-Trichloroethane	8.902	97	888457	9.012	ppbv	96
48) Dibromochloromethane	9.712	129	1466722	10.007	ppbv	99
49) Bromoform	12.406	173	1218981	10.053	ppbv #	100
50) 4-Methyl-2-Pentanone	8.188	43	2274581	9.763	ppbv	98
51) 2-Hexanone	9.557	43	1773637	10.329	ppbv #	98
52) Tetrachloroethene	10.615	164	811380	9.024	ppbv	98
53) Toluene	9.226	91	2595666	10.093	ppbv	99
54) 1,2-Dibromoethane	10.011	107	1074323	9.553	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.509	131	1067910	8.811	ppbv	96
57) Chlorobenzene	11.528	112	1930099	8.718	ppbv	99
58) Ethyl Benzene	12.091	91	3330768	9.768	ppbv	99
59) m/p-Xylene	12.374	91	5639640m	18.395	ppbv	
60) o-Xylene	13.062	91	2690005	9.151	ppbv	100
61) Styrene	12.898	104	1630249	10.396	ppbv	99
62) Isopropylbenzene	14.033	105	3917001	8.806	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.049	83	1099172	7.436	ppbv	99
64) n-propylbenzene	14.917	120	1014316	8.745	ppbv	98
65) tert-Butylbenzene	16.091	119	3431669	8.652	ppbv	100
66) Benzyl Chloride	16.329	91	323251	9.498	ppbv #	91
67) sec-Butylbenzene	16.638	105	4819236	8.604	ppbv	100
69) p-Isopropyltoluene	16.998	119	4035053	8.648	ppbv	100
70) n-Butylbenzene	17.888	91	4014450	8.666	ppbv	100
71) 2-Chlorotoluene	14.802	91	2871415	8.908	ppbv	100
72) 4-Ethyltoluene	15.194	105	3164894	9.164	ppbv #	100
73) 1,3,5-Trimethylbenzene	15.355	105	2801155	8.881	ppbv	94
74) 1,2,4-Trimethylbenzene	16.110	105	2994217	8.514	ppbv	95
75) 1,3-Dichlorobenzene	16.335	146	1801256	8.432	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	1763851	8.245	ppbv	98
77) 1,2-Dichlorobenzene	17.142	146	1716901	8.202	ppbv	100
78) Hexachloro-1,3-Butadiene	22.631	225	1421750	8.550	ppbv #	100
79) Naphthalene	21.383	128	2988281	11.934	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	1045312	10.564	ppbv #	100
81) 1,2,4-Trichlorobenzene	21.139	180	1667648	9.992	ppbv #	100

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

