

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081722\
 Data File : VL039542.D
 Acq On : 17 Aug 2022 7:32
 Operator : SY/AP
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

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

Quant Time: Aug 17 08:02:33 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 2022

QLast Update : Wed Aug 17 04:35:27 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.204	49	1120133	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2943763	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2972793	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.779 95 2245146 10.171 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.751	85	1551672	9.822	ppbv	98
3) Chlorodifluoromethane	2.696	51	1733573	12.317	ppbv	100
4) Chloromethane	2.834	50	1038403	13.261	ppbv	92
5) Vinyl Chloride	2.941	62	919349	12.054	ppbv	96
6) Bromomethane	3.140	94	356860	11.403	ppbv	89
7) Chloroethane	3.217	64	343419	12.751	ppbv	100
8) Dichlorotetrafluoroethane	2.876	85	1931447	11.104	ppbv	100
9) Propene	2.715	41	814453	12.778	ppbv	99
10) Heptane	7.587	43	2079127	13.979	ppbv	100
11) Trichlorofluoromethane	3.584	101	2160680	12.201	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.082	101	1621211	12.359	ppbv	98
13) Ethanol	3.259	45	47322	12.758	ppbv	90
14) Bromoethene	3.387	108	697381	12.589	ppbv	99
15) Acetone	3.487	43	1631757	12.508	ppbv	99
16) 1,3-Butadiene	3.005	39	904807	13.289	ppbv	99
17) tert-Butyl alcohol	3.895	59	1357435	12.383	ppbv	100
18) 1,1-Dichloroethene	3.899	96	740017	12.445	ppbv	98
19) Isopropyl Alcohol	3.593	45	793459	11.489	ppbv #	100
20) Methylene Chloride	3.950	84	596865	11.492	ppbv	94
21) Allyl Chloride	4.014	41	1189214	13.145	ppbv	98
22) trans-1,2-Dichloroethene	4.461	96	758563	13.251	ppbv	97
23) Vinyl Acetate	4.641	43	852787	10.267	ppbv	97
24) 1,1-Dichloroethane	4.580	63	1526239	12.391	ppbv	99
25) Ethyl Acetate	5.220	43	3667682	13.608	ppbv	99
26) Hexane	5.227	57	1507278	14.020	ppbv	98
27) Carbon Disulfide	4.140	76	1889674	14.580	ppbv	97
28) Methyl tert-Butyl Ether	4.603	73	1276495	11.239	ppbv	99
29) Chloroform	5.288	83	2327984	12.473	ppbv	95
30) Cyclohexane	6.612	84	1290295	13.174	ppbv #	100
31) cis-1,2-Dichloroethene	5.095	61	1526609	13.377	ppbv	98
32) 1,1,1-Trichloroethane	6.014	97	2246203	12.182	ppbv	99
34) 2-Butanone	4.802	43	1970314	13.467	ppbv	99
35) Carbon Tetrachloride	6.503	117	2408524	13.432	ppbv	100
36) Benzene	6.381	78	3206399	14.143	ppbv	98
37) 1,2-Dichloroethane	5.818	62	1735504	13.101	ppbv	100
38) Trichloroethene	7.300	130	1747721	14.137	ppbv	98
39) 1,2-Dichloropropane	7.082	63	1235676	14.603	ppbv	99
40) 1,4-Dioxane	7.297	88	433746	12.950	ppbv	85
41) Tetrahydrofuran	5.571	42	1335828	15.617	ppbv	98
42) Bromodichloromethane	7.259	83	2549345	14.255	ppbv	97
43) Methyl Methacrylate	7.484	69	1289739	15.042	ppbv	99
44) 2,2,4-Trimethylpentane	7.336	57	5318344	13.856	ppbv	99
45) t-1,3-Dichloropropene	8.715	75	1321231	17.663	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.149	75	1734491	16.605	ppbv	99
47) 1,1,2-Trichloroethane	8.902	97	1341192	14.134	ppbv	98
48) Dibromochloromethane	9.715	129	2283993	15.249	ppbv	99
49) Bromoform	12.410	173	1971470	16.289	ppbv #	100
50) 4-Methyl-2-Pentanone	8.191	43	3453379	15.414	ppbv	100
51) 2-Hexanone	9.558	43	2724498	16.131	ppbv #	98
52) Tetrachloroethene	10.619	164	1237945	13.612	ppbv	97
53) Toluene	9.226	91	3842801	14.752	ppbv	100
54) 1,2-Dibromoethane	10.014	107	1668999	14.341	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.512	131	1613758	12.545	ppbv #	93
57) Chlorobenzene	11.532	112	2885683	12.739	ppbv	98
58) Ethyl Benzene	12.094	91	5040318	13.416	ppbv	97
59) m/p-Xylene	12.377	91	8452071m	25.561	ppbv	
60) o-Xylene	13.062	91	4110860	13.102	ppbv	99
61) Styrene	12.902	104	2564557	15.110	ppbv	100
62) Isopropylbenzene	14.033	105	5956812	12.482	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.049	83	1700391	10.402	ppbv	100
64) n-propylbenzene	14.921	120	1578488	13.092	ppbv	96
65) tert-Butylbenzene	16.094	119	5277486	12.021	ppbv	100
66) Benzyl Chloride	16.332	91	608020	15.283	ppbv #	91
67) sec-Butylbenzene	16.641	105	7365936	12.415	ppbv	99
69) p-Isopropyltoluene	17.001	119	6191002	12.349	ppbv	99
70) n-Butylbenzene	17.892	91	6291955	12.897	ppbv	99
71) 2-Chlorotoluene	14.805	91	4471406	13.071	ppbv	100
72) 4-Ethyltoluene	15.194	105	4897671	13.244	ppbv #	100
73) 1,3,5-Trimethylbenzene	15.358	105	4393414	12.991	ppbv	96
74) 1,2,4-Trimethylbenzene	16.114	105	4633170	12.427	ppbv	94
75) 1,3-Dichlorobenzene	16.332	146	2872435	12.918	ppbv	100
76) 1,4-Dichlorobenzene	16.477	146	2818197	12.637	ppbv	97
77) 1,2-Dichlorobenzene	17.146	146	2775142	12.619	ppbv	99
78) Hexachloro-1,3-Butadiene	22.634	225	2036567	11.430	ppbv #	100
79) Naphthalene	21.383	128	4288305	16.567	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	1932634	20.887	ppbv #	100
81) 1,2,4-Trichlorobenzene	21.142	180	2378885	14.164	ppbv #	100

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

