

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040522\
 Data File : VL038818.D
 Acq On : 5 Apr 2022 19:44
 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 04/07/2022
 Supervised By : Mahesh Dadoda 04/07/2022

Quant Time: Apr 05 20:14:39 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 05 2022

QLast Update : Tue Apr 05 17:22:42 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.665	49	1448670	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.173	114	3983311	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.082	117	3644857	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.407 95 2866233 10.257 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.050	85	2364189	12.140	ppbv	96
3) Chlorodifluoromethane	2.989	51	2485939	16.248	ppbv	100
4) Chloromethane	3.140	50	1284789	15.294	ppbv	96
5) Vinyl Chloride	3.259	62	1221669	14.313	ppbv	93
6) Bromomethane	3.475	94	605868	13.315	ppbv	97
7) Chloroethane	3.559	64	404115	14.302	ppbv	98
8) Dichlorotetrafluoroethane	3.189	85	2617522	13.462	ppbv	99
9) Propene	3.012	41	1325157	17.940	ppbv	97
10) Heptane	8.121	43	3267943	18.507	ppbv	99
11) Trichlorofluoromethane	3.951	101	2373358	13.808	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.484	101	1796163	13.575	ppbv	98
13) Ethanol	3.603	45	64315	7.893	ppbv #	100
14) Bromoethene	3.742	108	812131	13.811	ppbv	95
15) Acetone	3.848	43	1900042	15.200	ppbv	99
16) 1,3-Butadiene	3.330	39	1180574	16.642	ppbv	99
17) tert-Butyl alcohol	4.282	59	1577915	14.454	ppbv	100
18) 1,1-Dichloroethene	4.288	96	815458	13.719	ppbv	97
19) Isopropyl Alcohol	3.960	45	900269	12.990	ppbv #	100
20) Methylene Chloride	4.343	84	712732	13.537	ppbv	92
21) Allyl Chloride	4.411	41	1543071	17.152	ppbv	98
22) trans-1,2-Dichloroethene	4.883	96	861619	13.975	ppbv	99
23) Vinyl Acetate	5.070	43	2130898	17.605	ppbv	99
24) 1,1-Dichloroethane	5.009	63	1793008	15.041	ppbv	100
25) Ethyl Acetate	5.674	43	5234490	16.635	ppbv	99
26) Hexane	5.684	57	2267955	16.099	ppbv	100
27) Carbon Disulfide	4.549	76	2298635	16.633	ppbv	99
28) Methyl tert-Butyl Ether	5.031	73	1813913	17.285	ppbv	99
29) Chloroform	5.751	83	3369598	14.938	ppbv	100
30) Cyclohexane	7.131	84	2036195	16.623	ppbv	97
31) cis-1,2-Dichloroethene	5.546	61	2281414	17.223	ppbv	97
32) 1,1,1-Trichloroethane	6.510	97	3376091	15.509	ppbv	99
34) 2-Butanone	5.237	43	2233139	14.164	ppbv	99
35) Carbon Tetrachloride	7.015	117	3420075	14.798	ppbv	99
36) Benzene	6.886	78	4992139	16.238	ppbv	97
37) 1,2-Dichloroethane	6.304	62	2469653	15.792	ppbv	100
38) Trichloroethene	7.832	130	1945752	15.108	ppbv	96
39) 1,2-Dichloropropane	7.610	63	1956831	16.282	ppbv	99
40) 1,4-Dioxane	7.819	88	583833	13.989	ppbv #	94
41) Tetrahydrofuran	6.044	42	2156598	18.379	ppbv	100
42) Bromodichloromethane	7.787	83	3758785	16.031	ppbv	98
43) Methyl Methacrylate	8.008	69	2101454	18.412	ppbv	98
44) 2,2,4-Trimethylpentane	7.867	57	7896386	15.298	ppbv	99
45) t-1,3-Dichloropropene	9.275	75	2410653	20.773	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.697	75	2930143	18.673	ppbv	99
47) 1,1,2-Trichloroethane	9.468	97	1999677	15.584	ppbv	99
48) Dibromochloromethane	10.298	129	3229745	16.069	ppbv	98
49) Bromoform	13.034	173	2575296	15.721	ppbv	100
50) 4-Methyl-2-Pentanone	8.732	43	5103120	17.410	ppbv	98
51) 2-Hexanone	10.124	43	4157398	19.747	ppbv #	100
52) Tetrachloroethene	11.217	164	1620805	14.407	ppbv	98
53) Toluene	9.799	91	5642822	17.082	ppbv	99
54) 1,2-Dibromoethane	10.606	107	2845647	16.242	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.121	131	2173681	14.385	ppbv #	74
57) Chlorobenzene	12.143	112	3950521	15.028	ppbv	99
58) Ethyl Benzene	12.703	91	7347735	17.244	ppbv	100
59) m/p-Xylene	12.992	91	11938649m	32.030	ppbv	
60) o-Xylene	13.687	91	5564208	15.723	ppbv	99
61) Styrene	13.520	104	3801169	19.806	ppbv	100
62) Isopropylbenzene	14.658	105	8224526	15.459	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.671	83	3562024	12.994	ppbv	100
64) n-propylbenzene	15.552	120	2269303	16.255	ppbv	100
65) tert-Butylbenzene	16.738	119	7037570	14.721	ppbv	99
66) Benzyl Chloride	16.979	91	2020359	22.319	ppbv	100
67) sec-Butylbenzene	17.288	105	9990226	14.612	ppbv	99
69) p-Isopropyltoluene	17.645	119	8379004	15.016	ppbv	98
70) n-Butylbenzene	18.542	91	8769113	15.236	ppbv	99
71) 2-Chlorotoluene	15.445	91	6424229	16.268	ppbv	99
72) 4-Ethyltoluene	15.831	105	7045482	16.865	ppbv	99
73) 1,3,5-Trimethylbenzene	15.989	105	6188043	16.255	ppbv	98
74) 1,2,4-Trimethylbenzene	16.757	105	6228363	15.021	ppbv	97
75) 1,3-Dichlorobenzene	16.989	146	3796829	14.376	ppbv	99
76) 1,4-Dichlorobenzene	17.130	146	3791954	14.437	ppbv	99
77) 1,2-Dichlorobenzene	17.809	146	3775182	14.429	ppbv	100
78) Hexachloro-1,3-Butadiene	23.365	225	2571619	10.634	ppbv	100
79) Naphthalene	22.182	128	5858148	18.492	ppbv	99
80) Naphthalene,2-methyl-	24.956	142	1723595	20.290	ppbv	96
81) 1,2,4-Trichlorobenzene	21.911	180	3095374	14.273	ppbv	98

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

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