

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
 Data File : VL040997.D
 Acq On : 23 Jan 2024 14:12
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL012324

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024

Quant Time: Jan 24 00:59:40 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed Jan 24 00:50:15 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.156	49	1125214	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.619	114	2886208	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.426	117	2744800	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.735 95 2013389 9.712 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.700	85	2179814	8.771	ppbv	98
3) Chlorodifluoromethane	2.645	51	1673618	8.843	ppbv	100
4) Chloromethane	2.783	50	631104	8.897	ppbv	99
5) Vinyl Chloride	2.890	62	657694	9.456	ppbv	100
6) Bromomethane	3.089	94	276264	9.123	ppbv	97
7) Chloroethane	3.166	64	233387	9.319	ppbv	99
8) Dichlorotetrafluoroethane	2.828	85	1594741	8.590	ppbv	97
9) Propene	2.664	41	581693	9.370	ppbv	97
10) Heptane	7.545	43	1417812	9.280	ppbv	99
11) Trichlorofluoromethane	3.529	101	1728792	8.633	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.031	101	1256574	8.658	ppbv	98
13) Ethanol	3.208	45	127060	8.588	ppbv	96
14) Bromoethene	3.333	108	506443	9.088	ppbv	97
15) Acetone	3.436	43	1198239	8.327	ppbv	97
16) 1,3-Butadiene	2.954	39	624039	9.066	ppbv	99
17) tert-Butyl alcohol	3.848	59	1185235	10.043	ppbv	100
18) 1,1-Dichloroethene	3.848	96	554222	8.920	ppbv	95
19) Isopropyl Alcohol	3.545	45	807713	9.697	ppbv #	97
20) Methylene Chloride	3.902	84	455516	8.227	ppbv	94
21) Allyl Chloride	3.963	41	816081	9.334	ppbv	100
22) trans-1,2-Dichloroethene	4.410	96	597083	9.332	ppbv	98
23) Vinyl Acetate	4.594	43	1483792	10.004	ppbv	98
24) 1,1-Dichloroethane	4.529	63	1166193	8.863	ppbv	98
25) Ethyl Acetate	5.169	43	2463838	9.443	ppbv	100
26) Hexane	5.179	57	1044424	9.391	ppbv	99
27) Carbon Disulfide	4.092	76	1436384	9.925	ppbv	99
28) Methyl tert-Butyl Ether	4.552	73	879026	9.523	ppbv	98
29) Chloroform	5.243	83	1772384	8.986	ppbv	98
30) Cyclohexane	6.565	84	912728	9.795	ppbv	98
31) cis-1,2-Dichloroethene	5.044	61	1030381	9.872	ppbv	95
32) 1,1,1-Trichloroethane	5.970	97	1787132	9.480	ppbv	99
34) 2-Butanone	4.751	43	1336857	9.722	ppbv	100
35) Carbon Tetrachloride	6.458	117	1906324	9.905	ppbv	97
36) Benzene	6.336	78	2283528	9.580	ppbv	97
37) 1,2-Dichloroethane	5.770	62	1362371	9.366	ppbv	99
38) Trichloroethene	7.259	130	897200	9.389	ppbv	96
39) 1,2-Dichloropropane	7.037	63	886581	9.441	ppbv	99
40) 1,4-Dioxane	7.246	88	384899	9.869	ppbv	92
41) Tetrahydrofuran	5.520	42	957718	10.258	ppbv	99
42) Bromodichloromethane	7.214	83	2010011	9.657	ppbv	98
43) Methyl Methacrylate	7.439	69	937965	10.197	ppbv	99
44) 2,2,4-Trimethylpentane	7.288	57	3732102	9.305	ppbv	99
45) t-1,3-Dichloropropene	8.671	75	697821	11.103	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.108	75	842575	10.750	ppbv	94
47) 1,1,2-Trichloroethane	8.864	97	965125	9.535	ppbv	98
48) Dibromochloromethane	9.674	129	1723776	10.074	ppbv	99
49) Bromoform	12.371	173	1389318	10.351	ppbv	99
50) 4-Methyl-2-Pentanone	8.143	43	2389641	9.868	ppbv	100
51) 2-Hexanone	9.513	43	1748643	10.018	ppbv #	97
52) Tetrachloroethene	10.577	164	790643	9.988	ppbv	97
53) Toluene	9.182	91	2596512	9.943	ppbv	99
54) 1,2-Dibromoethane	9.970	107	1379115	10.061	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.471	131	1216208	9.235	ppbv	99
57) Chlorobenzene	11.487	112	2014837	9.126	ppbv	99
58) Ethyl Benzene	12.050	91	3519721	9.549	ppbv	100
59) m/p-Xylene	12.336	91	5989543m	18.638	ppbv	
60) o-Xylene	13.021	91	2847180	9.234	ppbv	100
61) Styrene	12.860	104	1471363	10.393	ppbv	100
62) Isopropylbenzene	13.989	105	4147259	9.095	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.008	83	2106373	8.790	ppbv	99
64) n-propylbenzene	14.876	120	1082560	9.397	ppbv	97
65) tert-Butylbenzene	16.053	119	3643068	9.144	ppbv	100
66) Benzyl Chloride	16.284	91	270797	10.373	ppbv	99
67) sec-Butylbenzene	16.596	105	5139727	8.860	ppbv	100
69) p-Isopropyltoluene	16.956	119	4172254	9.285	ppbv	100
70) n-Butylbenzene	17.847	91	4423364	9.110	ppbv	100
71) 2-Chlorotoluene	14.760	91	3226401	9.170	ppbv	99
72) 4-Ethyltoluene	15.153	105	3300553	9.585	ppbv	100
73) 1,3,5-Trimethylbenzene	15.313	105	2818795	9.223	ppbv	99
74) 1,2,4-Trimethylbenzene	16.069	105	3113384	8.987	ppbv	95
75) 1,3-Dichlorobenzene	16.291	146	1792235	9.090	ppbv	99
76) 1,4-Dichlorobenzene	16.429	146	1727783	8.880	ppbv	99
77) 1,2-Dichlorobenzene	17.101	146	1741162	8.885	ppbv	100
78) Hexachloro-1,3-Butadiene	22.586	225	990137	7.835	ppbv	99
79) Naphthalene	21.342	128	2314364	11.710	ppbv	97
80) Naphthalene,2-methyl-	24.336	142	498252	14.354	ppbv	92
81) 1,2,4-Trichlorobenzene	21.095	180	1133164	9.827	ppbv	98

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

