

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
 Data File : VL040999.D
 Acq On : 23 Jan 2024 16:45
 Operator : SY/MD
 Sample : VL0123ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0123ABS01

Manual Integrations
 APPROVED

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

Quant Time: Jan 24 01:00:12 2024

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri 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	938706	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.616	114	2714231	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.426	117	2608961	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.735 95 1992769 10.113 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.700	85	2121116	10.231	ppbv	98
3) Chlorodifluoromethane	2.645	51	1595435	10.105	ppbv	100
4) Chloromethane	2.780	50	602334	10.178	ppbv	99
5) Vinyl Chloride	2.890	62	608924	10.495	ppbv	100
6) Bromomethane	3.086	94	269933	10.685	ppbv	94
7) Chloroethane	3.166	64	226353	10.834	ppbv	100
8) Dichlorotetrafluoroethane	2.825	85	1598585	10.321	ppbv	99
9) Propene	2.665	41	536652	10.362	ppbv	97
10) Heptane	7.542	43	1369026	10.741	ppbv	99
11) Trichlorofluoromethane	3.530	101	1740747	10.420	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.031	101	1264200	10.441	ppbv	99
13) Ethanol	3.205	45	112548	9.119	ppbv	99
14) Bromoethene	3.333	108	507358	10.914	ppbv	100
15) Acetone	3.433	43	1181683	9.844	ppbv	96
16) 1,3-Butadiene	2.954	39	607959	10.587	ppbv	100
17) tert-Butyl alcohol	3.845	59	1097889	11.151	ppbv	99
18) 1,1-Dichloroethene	3.845	96	535590	10.332	ppbv	99
19) Isopropyl Alcohol	3.542	45	748190	10.767	ppbv	99
20) Methylene Chloride	3.899	84	456666	9.886	ppbv	93
21) Allyl Chloride	3.960	41	788030	10.804	ppbv	100
22) trans-1,2-Dichloroethene	4.410	96	576644	10.803	ppbv	97
23) Vinyl Acetate	4.591	43	1363030	11.015	ppbv	98
24) 1,1-Dichloroethane	4.529	63	1153935	10.512	ppbv	99
25) Ethyl Acetate	5.166	43	2076254	9.539	ppbv	100
26) Hexane	5.176	57	897864	9.678	ppbv	98
27) Carbon Disulfide	4.089	76	1401953	11.612	ppbv	100
28) Methyl tert-Butyl Ether	4.549	73	807899	10.492	ppbv	99
29) Chloroform	5.237	83	1664543	10.115	ppbv	99
30) Cyclohexane	6.562	84	865169	11.130	ppbv	98
31) cis-1,2-Dichloroethene	5.044	61	894103	10.268	ppbv	98
32) 1,1,1-Trichloroethane	5.967	97	1730196	11.001	ppbv	100
34) 2-Butanone	4.748	43	1284162	9.931	ppbv	100
35) Carbon Tetrachloride	6.455	117	1848317	10.212	ppbv	99
36) Benzene	6.333	78	2154372	9.611	ppbv	98
37) 1,2-Dichloroethane	5.767	62	1331738	9.735	ppbv	100
38) Trichloroethene	7.253	130	861190	9.583	ppbv	99
39) 1,2-Dichloropropane	7.037	63	849494	9.620	ppbv	97
40) 1,4-Dioxane	7.246	88	340828	9.292	ppbv #	1
41) Tetrahydrofuran	5.520	42	862479	9.823	ppbv	98
42) Bromodichloromethane	7.211	83	1954607	9.986	ppbv	97
43) Methyl Methacrylate	7.433	69	901067	10.417	ppbv	100
44) 2,2,4-Trimethylpentane	7.288	57	3572318	9.471	ppbv	99
45) t-1,3-Dichloropropene	8.671	75	665531	11.260	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.102	75	786152	10.666	ppbv	99
47) 1,1,2-Trichloroethane	8.860	97	924618	9.714	ppbv	99
48) Dibromochloromethane	9.671	129	1644506	10.219	ppbv	99
49) Bromoform	12.368	173	1346441	10.667	ppbv	99
50) 4-Methyl-2-Pentanone	8.143	43	2316310	10.172	ppbv	99
51) 2-Hexanone	9.510	43	1687872	10.283	ppbv #	99
52) Tetrachloroethene	10.574	164	748193	10.051	ppbv	99
53) Toluene	9.182	91	2488997	10.136	ppbv	100
54) 1,2-Dibromoethane	9.970	107	1324290	10.273	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.468	131	1184540	9.463	ppbv	99
57) Chlorobenzene	11.484	112	1936948	9.230	ppbv	97
58) Ethyl Benzene	12.050	91	3388504	9.672	ppbv	99
59) m/p-Xylene	12.327	91	5841876m	19.125	ppbv	
60) o-Xylene	13.018	91	2786332	9.507	ppbv	100
61) Styrene	12.857	104	1418817	10.543	ppbv	99
62) Isopropylbenzene	13.986	105	4049809	9.344	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.005	83	2079606	9.130	ppbv	100
64) n-propylbenzene	14.873	120	1066771	9.742	ppbv	96
65) tert-Butylbenzene	16.050	119	3565707	9.416	ppbv	100
66) Benzyl Chloride	16.291	91	266878	10.755	ppbv	100
67) sec-Butylbenzene	16.593	105	5028249	9.119	ppbv	100
69) p-Isopropyltoluene	16.953	119	4085835	9.566	ppbv	100
70) n-Butylbenzene	17.847	91	4357161	9.441	ppbv	99
71) 2-Chlorotoluene	14.761	91	3174964	9.494	ppbv	99
72) 4-Ethyltoluene	15.150	105	3220247	9.838	ppbv	98
73) 1,3,5-Trimethylbenzene	15.310	105	2753815	9.480	ppbv	99
74) 1,2,4-Trimethylbenzene	16.066	105	3057056	9.283	ppbv	96
75) 1,3-Dichlorobenzene	16.288	146	1744168	9.307	ppbv	100
76) 1,4-Dichlorobenzene	16.433	146	1704428	9.217	ppbv	100
77) 1,2-Dichlorobenzene	17.101	146	1699719	9.125	ppbv	99
78) Hexachloro-1,3-Butadiene	22.587	225	967862	8.057	ppbv	99
79) Naphthalene	21.339	128	2236242	11.904	ppbv	97
80) Naphthalene,2-methyl-	24.339	142	440770	13.359	ppbv	96
81) 1,2,4-Trichlorobenzene	21.092	180	1079149	9.846	ppbv	100

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

