

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
 Data File : VL041247.D
 Acq On : 8 May 2024 17:10
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/09/2024
 Supervised By : Mahesh Dadoda 05/09/2024

Quant Time: May 09 02:52:05 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

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

QLast Update : Thu May 09 02:43:03 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.221	49	819912	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.681	114	2174681	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.497	117	2118976	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.806 95 1609752 10.063 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	1398323	12.608	ppbv	99
3) Chlorodifluoromethane	2.700	51	1329953	10.680	ppbv	99
4) Chloromethane	2.838	50	491172	10.052	ppbv	97
5) Vinyl Chloride	2.948	62	508392	10.357	ppbv	98
6) Bromomethane	3.147	94	174247	9.729	ppbv	91
7) Chloroethane	3.221	64	174625	10.076	ppbv	91
8) Dichlorotetrafluoroethane	2.883	85	1215172	10.586	ppbv	98
9) Propene	2.719	41	477467	9.798	ppbv	98
10) Heptane	7.610	43	1165224	9.869	ppbv	99
11) Trichlorofluoromethane	3.591	101	1247395	11.067	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.095	101	882886	10.592	ppbv	97
13) Ethanol	3.269	45	102525	9.385	ppbv	99
14) Bromoethene	3.391	108	366987	10.668	ppbv	99
15) Acetone	3.494	43	916649	9.473	ppbv	97
16) 1,3-Butadiene	3.012	39	509782	10.436	ppbv	98
17) tert-Butyl alcohol	3.903	59	915168	8.767	ppbv	99
18) 1,1-Dichloroethene	3.906	96	372933	10.035	ppbv	99
19) Isopropyl Alcohol	3.600	45	606999	9.560	ppbv #	46
20) Methylene Chloride	3.957	84	313368	9.313	ppbv	99
21) Allyl Chloride	4.025	41	624021	9.890	ppbv	98
22) trans-1,2-Dichloroethene	4.472	96	398995	10.323	ppbv	96
23) Vinyl Acetate	4.655	43	1045545	9.812	ppbv	99
24) 1,1-Dichloroethane	4.591	63	856646	10.339	ppbv	99
25) Ethyl Acetate	5.230	43	1920623	9.944	ppbv	99
26) Hexane	5.240	57	847125	9.828	ppbv	98
27) Carbon Disulfide	4.150	76	1020394	10.001	ppbv	95
28) Methyl tert-Butyl Ether	4.613	73	612501	8.925	ppbv	98
29) Chloroform	5.304	83	1309287	11.011	ppbv	100
30) Cyclohexane	6.629	84	705573	10.341	ppbv	97
31) cis-1,2-Dichloroethene	5.105	61	858456	10.639	ppbv	96
32) 1,1,1-Trichloroethane	6.031	97	1303224	10.985	ppbv	98
34) 2-Butanone	4.812	43	1163105	10.508	ppbv	99
35) Carbon Tetrachloride	6.523	117	1343744	11.010	ppbv	98
36) Benzene	6.401	78	1774222	9.722	ppbv	99
37) 1,2-Dichloroethane	5.835	62	1049363	11.021	ppbv	99
38) Trichloroethene	7.324	130	699370	10.284	ppbv	94
39) 1,2-Dichloropropane	7.102	63	685062	9.740	ppbv	98
40) 1,4-Dioxane	7.314	88	240580	9.575	ppbv #	1
41) Tetrahydrofuran	5.584	42	751105	9.374	ppbv	99
42) Bromodichloromethane	7.282	83	1474595	10.798	ppbv	98
43) Methyl Methacrylate	7.500	69	728503	9.870	ppbv	100
44) 2,2,4-Trimethylpentane	7.356	57	3001620	9.539	ppbv	100
45) t-1,3-Dichloropropene	8.742	75	513131	9.594	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.172	75	626662	9.570	ppbv	99
47) 1,1,2-Trichloroethane	8.931	97	743320	10.559	ppbv	97
48) Dibromochloromethane	9.742	129	1261490	11.247	ppbv	99
49) Bromoform	12.439	173	1048601	10.990	ppbv	100
50) 4-Methyl-2-Pentanone	8.208	43	1871686	9.423	ppbv	99
51) 2-Hexanone	9.578	43	1367712	9.283	ppbv #	97
52) Tetrachloroethene	10.648	164	628606	9.800	ppbv	97
53) Toluene	9.250	91	2100305	9.925	ppbv	99
54) 1,2-Dibromoethane	10.037	107	1024055	10.740	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.539	131	918361	10.688	ppbv	100
57) Chlorobenzene	11.558	112	1588281	10.235	ppbv	97
58) Ethyl Benzene	12.118	91	2829747	9.739	ppbv	99
59) m/p-Xylene	12.401	91	4824821m	19.758	ppbv	
60) o-Xylene	13.089	91	2264019	9.891	ppbv	100
61) Styrene	12.928	104	1227983	10.155	ppbv	98
62) Isopropylbenzene	14.060	105	3399532	9.929	ppbv	100
63) 1,1,1,2-Tetrachloroethane	13.079	83	1596935	10.235	ppbv	100
64) n-propylbenzene	14.947	120	899631	10.532	ppbv	95
65) tert-Butylbenzene	16.121	119	2994135	9.764	ppbv	100
66) Benzyl Chloride	16.359	91	191207m	5.508	ppbv	
67) sec-Butylbenzene	16.664	105	4267104	9.885	ppbv	99
69) p-Isopropyltoluene	17.024	119	3549306	9.977	ppbv	100
70) n-Butylbenzene	17.915	91	3682262	9.911	ppbv	100
71) 2-Chlorotoluene	14.831	91	2610607	10.014	ppbv	99
72) 4-Ethyltoluene	15.224	105	2729801	10.528	ppbv	98
73) 1,3,5-Trimethylbenzene	15.381	105	2383711	10.161	ppbv	100
74) 1,2,4-Trimethylbenzene	16.137	105	2575124	10.051	ppbv	99
75) 1,3-Dichlorobenzene	16.362	146	1553038	10.571	ppbv	99
76) 1,4-Dichlorobenzene	16.503	146	1514104	10.717	ppbv	100
77) 1,2-Dichlorobenzene	17.172	146	1501237	10.223	ppbv	99
78) Hexachloro-1,3-Butadiene	22.664	225	1069407	8.193	ppbv	99
79) Naphthalene	21.413	128	2569903	10.533	ppbv	98
80) Naphthalene,2-methyl-	24.397	142	783563	7.983	ppbv	99
81) 1,2,4-Trichlorobenzene	21.169	180	1228719	9.538	ppbv	100

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

