

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052424\
 Data File : VL041283.D
 Acq On : 24 May 2024 9:43
 Operator : SY/MD
 Sample : VL0524ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0524ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/28/2024
 Supervised By :Mahesh Dadoda 05/28/2024

Quant Time: May 24 23:18:13 2024

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

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

QLast Update : Fri May 24 23:11:50 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	877904	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2345995	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2358966	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 1771628 9.948 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	1126869	9.489	ppbv	99
3) Chlorodifluoromethane	2.700	51	1434631	10.760	ppbv	98
4) Chloromethane	2.838	50	548771	10.489	ppbv	94
5) Vinyl Chloride	2.944	62	573357	10.909	ppbv	100
6) Bromomethane	3.144	94	206296	10.758	ppbv	92
7) Chloroethane	3.218	64	196240	10.575	ppbv	98
8) Dichlorotetrafluoroethane	2.880	85	1335775	10.868	ppbv	98
9) Propene	2.719	41	516039	9.890	ppbv	99
10) Heptane	7.587	43	1246373	9.859	ppbv	98
11) Trichlorofluoromethane	3.584	101	1393932	11.550	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.083	101	954128	10.691	ppbv	100
13) Ethanol	3.266	45	110838	9.476	ppbv	99
14) Bromoethene	3.388	108	396629	10.769	ppbv	98
15) Acetone	3.488	43	1060308	10.234	ppbv	97
16) 1,3-Butadiene	3.009	39	567666	10.854	ppbv	97
17) tert-Butyl alcohol	3.896	59	1040182	9.307	ppbv	100
18) 1,1-Dichloroethene	3.899	96	431238	10.837	ppbv	96
19) Isopropyl Alcohol	3.594	45	697883	10.265	ppbv #	44
20) Methylene Chloride	3.951	84	382144	10.606	ppbv	92
21) Allyl Chloride	4.015	41	698687	10.342	ppbv	96
22) trans-1,2-Dichloroethene	4.462	96	458306	11.075	ppbv	98
23) Vinyl Acetate	4.642	43	1172639	10.278	ppbv	99
24) 1,1-Dichloroethane	4.581	63	965682	10.885	ppbv	98
25) Ethyl Acetate	5.218	43	2115973	10.232	ppbv	100
26) Hexane	5.227	57	933359	10.114	ppbv	98
27) Carbon Disulfide	4.144	76	1143207	10.465	ppbv	96
28) Methyl tert-Butyl Ether	4.603	73	691663	9.413	ppbv	98
29) Chloroform	5.292	83	1451890	11.404	ppbv	96
30) Cyclohexane	6.613	84	771346	10.559	ppbv	98
31) cis-1,2-Dichloroethene	5.095	61	915229	10.593	ppbv	93
32) 1,1,1-Trichloroethane	6.018	97	1445101	11.376	ppbv	99
34) 2-Butanone	4.803	43	1271464	10.648	ppbv	99
35) Carbon Tetrachloride	6.507	117	1502727	11.414	ppbv	98
36) Benzene	6.385	78	1947384	9.892	ppbv	99
37) 1,2-Dichloroethane	5.819	62	1143507	11.132	ppbv	99
38) Trichloroethene	7.304	130	747500	10.189	ppbv	97
39) 1,2-Dichloropropane	7.086	63	753408	9.930	ppbv	97
40) 1,4-Dioxane	7.295	88	245124	9.043	ppbv	71
41) Tetrahydrofuran	5.568	42	807965	9.347	ppbv	100
42) Bromodichloromethane	7.259	83	1638487	11.122	ppbv	99
43) Methyl Methacrylate	7.484	69	786396	9.876	ppbv	98
44) 2,2,4-Trimethylpentane	7.336	57	3278311	9.658	ppbv	100
45) t-1,3-Dichloropropene	8.722	75	644827	11.175	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	766755	10.854	ppbv	95
47) 1,1,2-Trichloroethane	8.906	97	809297	10.657	ppbv	100
48) Dibromochloromethane	9.716	129	1379991	11.405	ppbv	100
49) Bromoform	12.413	173	1136016	11.036	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2043164	9.535	ppbv	100
51) 2-Hexanone	9.558	43	1478223	9.300	ppbv #	98
52) Tetrachloroethene	10.623	164	691778	9.997	ppbv	96
53) Toluene	9.230	91	2279050	9.984	ppbv	99
54) 1,2-Dibromoethane	10.018	107	1129077	10.977	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.516	131	1001663	10.472	ppbv	94
57) Chlorobenzene	11.536	112	1713457	9.918	ppbv	96
58) Ethyl Benzene	12.092	91	3072478	9.499	ppbv	99
59) m/p-Xylene	12.375	91	5218734m	19.197	ppbv	
60) o-Xylene	13.066	91	2450430	9.616	ppbv	99
61) Styrene	12.902	104	1327295	9.860	ppbv	99
62) Isopropylbenzene	14.034	105	3646408	9.566	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.053	83	1732653	9.975	ppbv	100
64) n-propylbenzene	14.921	120	963717	10.134	ppbv	99
65) tert-Butylbenzene	16.092	119	3241956	9.496	ppbv	100
66) Benzyl Chloride	16.336	91	259246	6.708	ppbv	99
67) sec-Butylbenzene	16.642	105	4616966	9.607	ppbv	99
69) p-Isopropyltoluene	16.998	119	3846656	9.713	ppbv	100
70) n-Butylbenzene	17.886	91	4006264	9.686	ppbv	99
71) 2-Chlorotoluene	14.806	91	2816622	9.705	ppbv	98
72) 4-Ethyltoluene	15.198	105	2926711	10.140	ppbv	99
73) 1,3,5-Trimethylbenzene	15.359	105	2573014	9.852	ppbv	99
74) 1,2,4-Trimethylbenzene	16.111	105	2808771	9.847	ppbv	96
75) 1,3-Dichlorobenzene	16.336	146	1668807	10.203	ppbv	99
76) 1,4-Dichlorobenzene	16.481	146	1657703	10.539	ppbv	99
77) 1,2-Dichlorobenzene	17.150	146	1632589	9.986	ppbv	99
78) Hexachloro-1,3-Butadiene	22.635	225	1159259	7.978	ppbv	98
79) Naphthalene	21.387	128	2769995	10.198	ppbv	99
80) Naphthalene,2-methyl-	24.378	142	811776	7.429	ppbv	100
81) 1,2,4-Trichlorobenzene	21.143	180	1344019	9.371	ppbv	100

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

