

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
 Data File : VL041236.D
 Acq On : 8 May 2024 10:02
 Operator : SY/MD
 Sample : VL0508ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0508ABS01

Manual Integrations
 APPROVED

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

Quant Time: May 09 02:50:06 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	5.211	49	874595	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.677	114	2289294	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	2210617m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.799 95 1694627 10.154 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.500%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.745	85	1233896	10.430	ppbv 100
3) Chlorodifluoromethane	2.690	51	1377481	10.370	ppbv 98
4) Chloromethane	2.829	50	525465	10.081	ppbv 92
5) Vinyl Chloride	2.935	62	544008	10.390	ppbv 98
6) Bromomethane	3.137	94	198516	10.391	ppbv 89
7) Chloroethane	3.214	64	186046	10.064	ppbv 97
8) Dichlorotetrafluoroethane	2.874	85	1244802	10.166	ppbv 96
9) Propene	2.710	41	480127	9.236	ppbv 97
10) Heptane	7.603	43	1224767	9.725	ppbv 100
11) Trichlorofluoromethane	3.581	101	1308364	10.882	ppbv 98
12) 1,1,2-Trichlorotrifluo...	4.083	101	918389	10.329	ppbv 99
13) Ethanol	3.253	45	124372	10.673	ppbv 97
14) Bromoethene	3.382	108	373282	10.173	ppbv 98
15) Acetone	3.484	43	977469	9.470	ppbv 98
16) 1,3-Butadiene	3.002	39	542373	10.409	ppbv 97
17) tert-Butyl alcohol	3.896	59	968738	8.700	ppbv 97
18) 1,1-Dichloroethene	3.899	96	424056	10.697	ppbv 94
19) Isopropyl Alcohol	3.591	45	729455	10.770	ppbv # 44
20) Methylene Chloride	3.951	84	350984	9.778	ppbv 97
21) Allyl Chloride	4.015	41	666304	9.900	ppbv 97
22) trans-1,2-Dichloroethene	4.465	96	423312	10.268	ppbv 98
23) Vinyl Acetate	4.645	43	1134589	9.982	ppbv 98
24) 1,1-Dichloroethane	4.584	63	925759	10.475	ppbv 99
25) Ethyl Acetate	5.224	43	2034954	9.877	ppbv 100
26) Hexane	5.234	57	895096	9.736	ppbv 98
27) Carbon Disulfide	4.144	76	1109363	10.193	ppbv 98
28) Methyl tert-Butyl Ether	4.603	73	685703	9.367	ppbv 100
29) Chloroform	5.295	83	1372227	10.819	ppbv 96
30) Cyclohexane	6.623	84	749919	10.304	ppbv 98
31) cis-1,2-Dichloroethene	5.099	61	901674	10.476	ppbv 96
32) 1,1,1-Trichloroethane	6.025	97	1348635	10.657	ppbv 99
34) 2-Butanone	4.806	43	1145997	9.835	ppbv 99
35) Carbon Tetrachloride	6.516	117	1378966	10.733	ppbv 99
36) Benzene	6.394	78	1881913	9.796	ppbv 98
37) 1,2-Dichloroethane	5.828	62	1067398	10.649	ppbv 100
38) Trichloroethene	7.314	130	730520	10.204	ppbv 96
39) 1,2-Dichloropropane	7.098	63	733279	9.904	ppbv 98
40) 1,4-Dioxane	7.307	88	308583	11.666	ppbv 76
41) Tetrahydrofuran	5.578	42	797948	9.460	ppbv 99
42) Bromodichloromethane	7.272	83	1550256	10.784	ppbv 99
43) Methyl Methacrylate	7.497	69	771221	9.925	ppbv 99
44) 2,2,4-Trimethylpentane	7.349	57	3170639	9.572	ppbv 100
45) t-1,3-Dichloropropene	8.735	75	577297	10.253	ppbv 97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.169	75	696153	10.099	ppbv	97
47) 1,1,2-Trichloroethane	8.922	97	769039	10.378	ppbv	98
48) Dibromochloromethane	9.735	129	1285252	10.885	ppbv	98
49) Bromoform	12.436	173	1081773	10.770	ppbv	100
50) 4-Methyl-2-Pentanone	8.205	43	1999163	9.560	ppbv	100
51) 2-Hexanone	9.574	43	1468322	9.467	ppbv #	98
52) Tetrachloroethene	10.642	164	665018	9.849	ppbv	97
53) Toluene	9.243	91	2207083	9.908	ppbv	99
54) 1,2-Dibromoethane	10.034	107	1069283	10.653	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.532	131	941477	10.503	ppbv	98
57) Chlorobenzene	11.552	112	1646115	10.168	ppbv	95
58) Ethyl Benzene	12.114	91	2947414	9.724	ppbv	98
59) m/p-Xylene	12.394	91	4979965m	19.548	ppbv	
60) o-Xylene	13.085	91	2339788	9.798	ppbv	99
61) Styrene	12.925	104	1285950	10.194	ppbv	99
62) Isopropylbenzene	14.056	105	3512099	9.832	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.073	83	1638403	10.065	ppbv	99
64) n-propylbenzene	14.941	120	923460	10.363	ppbv	98
65) tert-Butylbenzene	16.114	119	3063874	9.577	ppbv	99
66) Benzyl Chloride	16.352	91	270786m	7.477	ppbv	
67) sec-Butylbenzene	16.661	105	4396817	9.763	ppbv	98
69) p-Isopropyltoluene	17.021	119	3660835	9.864	ppbv	100
70) n-Butylbenzene	17.912	91	3829495	9.880	ppbv	99
71) 2-Chlorotoluene	14.825	91	2706191	9.950	ppbv	98
72) 4-Ethyltoluene	15.217	105	2818445	10.420	ppbv	99
73) 1,3,5-Trimethylbenzene	15.378	105	2472212	10.102	ppbv	99
74) 1,2,4-Trimethylbenzene	16.133	105	2709778	10.138	ppbv	99
75) 1,3-Dichlorobenzene	16.359	146	1605394	10.474	ppbv	99
76) 1,4-Dichlorobenzene	16.497	146	1560486	10.587	ppbv	99
77) 1,2-Dichlorobenzene	17.169	146	1562725	10.200	ppbv	98
78) Hexachloro-1,3-Butadiene	22.664	225	1109777	8.150	ppbv	99
79) Naphthalene	21.413	128	2727645m	10.716	ppbv	
80) Naphthalene,2-methyl-	24.397	142	880079	8.595	ppbv	98
81) 1,2,4-Trichlorobenzene	21.165	180	1303207	9.696	ppbv	100

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

