

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040824\
 Data File : VL041146.D
 Acq On : 8 Apr 2024 12:04
 Operator : SY/MD
 Sample : VL0408ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0408ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2024
 Supervised By :Mahesh Dadoda 04/09/2024

Quant Time: Apr 09 01:12:12 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

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

QLast Update : Tue Apr 09 01:10:08 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1276015	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3441981	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	3423280	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2615341 9.501 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.722	85	1973563	9.042	ppbv	99
3) Chlorodifluoromethane	2.668	51	1912896	9.733	ppbv	99
4) Chloromethane	2.806	50	733859	9.867	ppbv	96
5) Vinyl Chloride	2.912	62	748886	10.424	ppbv	100
6) Bromomethane	3.111	94	240844	8.906	ppbv	96
7) Chloroethane	3.189	64	258084	9.788	ppbv	98
8) Dichlorotetrafluoroethane	2.851	85	1860697	9.993	ppbv	99
9) Propene	2.687	41	655340	10.482	ppbv	95
10) Heptane	7.568	43	1619070	10.908	ppbv	99
11) Trichlorofluoromethane	3.555	101	1895524	9.577	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.057	101	1390793	9.708	ppbv	100
13) Ethanol	3.234	45	142839	9.605	ppbv	99
14) Bromoethene	3.359	108	557812	9.886	ppbv	97
15) Acetone	3.459	43	1448811	10.486	ppbv	99
16) 1,3-Butadiene	2.980	39	722900	10.659	ppbv	100
17) tert-Butyl alcohol	3.867	59	1355754	10.835	ppbv	100
18) 1,1-Dichloroethene	3.870	96	623310	10.191	ppbv	98
19) Isopropyl Alcohol	3.565	45	938484	11.181	ppbv #	97
20) Methylene Chloride	3.925	84	513042	9.003	ppbv	99
21) Allyl Chloride	3.989	41	868640	10.318	ppbv	99
22) trans-1,2-Dichloroethene	4.436	96	645357	10.065	ppbv	98
23) Vinyl Acetate	4.616	43	1571222	11.132	ppbv	98
24) 1,1-Dichloroethane	4.552	63	1317359	10.258	ppbv	99
25) Ethyl Acetate	5.192	43	2682251	10.337	ppbv	99
26) Hexane	5.201	57	1176785	10.107	ppbv	99
27) Carbon Disulfide	4.115	76	1524606	10.687	ppbv	99
28) Methyl tert-Butyl Ether	4.578	73	912523	10.386	ppbv	100
29) Chloroform	5.266	83	1959130	9.982	ppbv	96
30) Cyclohexane	6.590	84	1042719	10.995	ppbv	96
31) cis-1,2-Dichloroethene	5.070	61	1066424	9.677	ppbv	96
32) 1,1,1-Trichloroethane	5.992	97	1959444	10.800	ppbv	100
34) 2-Butanone	4.777	43	1463178	10.046	ppbv	98
35) Carbon Tetrachloride	6.481	117	2069910	10.563	ppbv	96
36) Benzene	6.362	78	2566721	10.155	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1510341	9.952	ppbv	99
38) Trichloroethene	7.278	130	1032529	11.307	ppbv	96
39) 1,2-Dichloropropane	7.063	63	987657	9.910	ppbv	99
40) 1,4-Dioxane	7.278	88	382039	10.999	ppbv #	1
41) Tetrahydrofuran	5.545	42	1052476	10.853	ppbv	98
42) Bromodichloromethane	7.240	83	2220189	10.240	ppbv	97
43) Methyl Methacrylate	7.465	69	1073663	11.152	ppbv	99
44) 2,2,4-Trimethylpentane	7.317	57	4242055	10.137	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	578504	10.196	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	752784	10.255	ppbv	99
47) 1,1,2-Trichloroethane	8.886	97	1098193	10.195	ppbv	98
48) Dibromochloromethane	9.700	129	1888122	11.042	ppbv	100
49) Bromoform	12.397	173	1505870	11.117	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2709148	10.570	ppbv	98
51) 2-Hexanone	9.539	43	1979028	11.136	ppbv	99
52) Tetrachloroethene	10.603	164	881422	10.930	ppbv	98
53) Toluene	9.208	91	2933376	11.022	ppbv	99
54) 1,2-Dibromoethane	9.999	107	1458379	10.856	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.497	131	1380207	9.811	ppbv	97
57) Chlorobenzene	11.516	112	2323903	9.917	ppbv	97
58) Ethyl Benzene	12.076	91	3992290	10.652	ppbv	99
59) m/p-Xylene	12.362	91	6809287m	20.117	ppbv	
60) o-Xylene	13.047	91	3253629	10.145	ppbv	99
61) Styrene	12.886	104	1668589	11.742	ppbv	99
62) Isopropylbenzene	14.018	105	4767313	9.985	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.037	83	2464421	9.780	ppbv	100
64) n-propylbenzene	14.905	120	1271233	10.609	ppbv	95
65) tert-Butylbenzene	16.082	119	4302970	10.323	ppbv	98
66) Benzyl Chloride	16.313	91	189388	6.906	ppbv #	99
67) sec-Butylbenzene	16.622	105	6127186	10.174	ppbv	100
69) p-Isopropyltoluene	16.982	119	5048638	10.750	ppbv	99
70) n-Butylbenzene	17.876	91	5442875	10.669	ppbv	100
71) 2-Chlorotoluene	14.789	91	3738857	10.210	ppbv	99
72) 4-Ethyltoluene	15.182	105	3726525	10.403	ppbv	98
73) 1,3,5-Trimethylbenzene	15.339	105	3317429	10.501	ppbv	98
74) 1,2,4-Trimethylbenzene	16.098	105	3701021	10.237	ppbv	95
75) 1,3-Dichlorobenzene	16.320	146	2173233	10.295	ppbv	100
76) 1,4-Dichlorobenzene	16.461	146	2109576	10.274	ppbv	99
77) 1,2-Dichlorobenzene	17.130	146	2115917	10.322	ppbv	99
78) Hexachloro-1,3-Butadiene	22.622	225	1381536	10.137	ppbv	100
79) Naphthalene	21.368	128	3349928	14.442	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	730130	16.159	ppbv	98
81) 1,2,4-Trichlorobenzene	21.124	180	1617471m	12.439	ppbv	

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

