

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082124\
 Data File : VL041561.D
 Acq On : 21 Aug 2024 10:27
 Operator : SY/MD
 Sample : VL0821ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0821ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/23/2024
 Supervised By :Mahesh Dadoda 08/23/2024

Quant Time: Aug 22 01:08:46 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Thu Aug 22 01:05:17 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1053472	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2802483	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2799867m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.767 95 2080113 9.654 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.742	85	1222251	6.744	ppbv	100
3) Chlorodifluoromethane	2.687	51	1012711	8.075	ppbv	99
4) Chloromethane	2.825	50	548040	8.216	ppbv	99
5) Vinyl Chloride	2.931	62	517008	7.864	ppbv	95
6) Bromomethane	3.131	94	233106	6.898	ppbv	94
7) Chloroethane	3.208	64	185932	8.194	ppbv	95
8) Dichlorotetrafluoroethane	2.870	85	1300412	8.098	ppbv	98
9) Propene	2.706	41	469584	8.151	ppbv	99
10) Heptane	7.581	43	1168025	9.023	ppbv	99
11) Trichlorofluoromethane	3.571	101	1262537	7.844	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.073	101	932318	8.044	ppbv	100
13) Ethanol	3.256	45	35821m	6.957	ppbv	
14) Bromoethene	3.375	108	383239	8.482	ppbv	99
15) Acetone	3.478	43	962189	8.039	ppbv	100
16) 1,3-Butadiene	2.999	39	543750	8.503	ppbv	99
17) tert-Butyl alcohol	3.883	59	1041907	9.544	ppbv	100
18) 1,1-Dichloroethene	3.886	96	419180	8.455	ppbv	99
19) Isopropyl Alcohol	3.584	45	627020	8.960	ppbv #	98
20) Methylene Chloride	3.941	84	355351	7.961	ppbv	97
21) Allyl Chloride	4.002	41	670743	8.545	ppbv	100
22) trans-1,2-Dichloroethene	4.452	96	427505	8.624	ppbv	97
23) Vinyl Acetate	4.632	43	747635	8.178	ppbv	99
24) 1,1-Dichloroethane	4.568	63	924516	8.589	ppbv	99
25) Ethyl Acetate	5.208	43	2119925	8.915	ppbv	99
26) Hexane	5.214	57	862018	8.739	ppbv	98
27) Carbon Disulfide	4.131	76	1018486	8.826	ppbv	99
28) Methyl tert-Butyl Ether	4.590	73	544698	8.756	ppbv	100
29) Chloroform	5.279	83	1325603	8.239	ppbv	98
30) Cyclohexane	6.603	84	720784	8.973	ppbv	97
31) cis-1,2-Dichloroethene	5.082	61	830591	8.523	ppbv	100
32) 1,1,1-Trichloroethane	6.005	97	1293807	8.261	ppbv	99
34) 2-Butanone	4.793	43	1196218	8.824	ppbv	99
35) Carbon Tetrachloride	6.494	117	1344303	8.697	ppbv	98
36) Benzene	6.372	78	1833009	8.951	ppbv	99
37) 1,2-Dichloroethane	5.809	62	993240	8.666	ppbv	99
38) Trichloroethene	7.291	130	895786	9.548	ppbv	98
39) 1,2-Dichloropropane	7.076	63	709585	9.051	ppbv	98
40) 1,4-Dioxane	7.288	88	293125	9.307	ppbv #	1
41) Tetrahydrofuran	5.558	42	771139	9.946	ppbv	97
42) Bromodichloromethane	7.250	83	1461993	8.834	ppbv	100
43) Methyl Methacrylate	7.471	69	716757	9.761	ppbv	96
44) 2,2,4-Trimethylpentane	7.327	57	3114819	9.107	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	598859	8.860	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	826618	8.469	ppbv	97
47) 1,1,2-Trichloroethane	8.896	97	763699	8.837	ppbv	95
48) Dibromochloromethane	9.706	129	1279552	9.191	ppbv	100
49) Bromoform	12.400	173	1183780	10.066	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	2059991	9.631	ppbv	100
51) 2-Hexanone	9.549	43	1640366	10.143	ppbv #	99
52) Tetrachloroethene	10.613	164	701733	8.869	ppbv	98
53) Toluene	9.221	91	2141144	9.387	ppbv	100
54) 1,2-Dibromoethane	10.005	107	1066187	9.269	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.503	131	941130	8.667	ppbv #	54
57) Chlorobenzene	11.523	112	1713601	8.596	ppbv	99
58) Ethyl Benzene	12.085	91	2955668	9.159	ppbv	100
59) m/p-Xylene	12.368	91	5074549m	18.215	ppbv	
60) o-Xylene	13.056	91	2446970	9.285	ppbv	100
61) Styrene	12.896	104	1198627	10.082	ppbv	99
62) Isopropylbenzene	14.024	105	3604735	8.998	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.044	83	1476993	8.875	ppbv	99
64) n-propylbenzene	14.912	120	982208	9.378	ppbv	96
65) tert-Butylbenzene	16.085	119	3388503	9.364	ppbv	100
66) Benzyl Chloride	16.326	91	221380m	9.538	ppbv	
67) sec-Butylbenzene	16.632	105	4837657	9.703	ppbv	100
69) p-Isopropyltoluene	16.992	119	4106275	9.925	ppbv	100
70) n-Butylbenzene	17.879	91	4393877	10.360	ppbv	100
71) 2-Chlorotoluene	14.796	91	2833046	9.589	ppbv	100
72) 4-Ethyltoluene	15.188	105	3036361	9.787	ppbv	100
73) 1,3,5-Trimethylbenzene	15.342	105	2657283	9.942	ppbv	97
74) 1,2,4-Trimethylbenzene	16.105	105	3021530	9.723	ppbv	96
75) 1,3-Dichlorobenzene	16.326	146	1909207	9.774	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	1869460	9.884	ppbv	99
77) 1,2-Dichlorobenzene	17.133	146	1918182	9.906	ppbv	99
78) Hexachloro-1,3-Butadiene	22.625	225	1546149	9.363	ppbv	99
79) Naphthalene	21.374	128	3429206	12.503	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	1487907	6.472	ppbv	100
81) 1,2,4-Trichlorobenzene	21.136	180	1765280m	10.816	ppbv	

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

