

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052124\
 Data File : VL041261.D
 Acq On : 21 May 2024 12:15
 Operator : SY/MD
 Sample : VL0521ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0521ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2024
 Supervised By :Mahesh Dadoda 05/22/2024

Quant Time: May 22 05:42:38 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 : Wed May 22 05:39:49 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	873257	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2232527	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2417863	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 1762932 9.658 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.745	85	1194325	10.111	ppbv	99
3) Chlorodifluoromethane	2.690	51	1460029	11.008	ppbv	98
4) Chloromethane	2.829	50	573489	11.020	ppbv	97
5) Vinyl Chloride	2.935	62	575237	11.003	ppbv	97
6) Bromomethane	3.134	94	209719	10.994	ppbv	99
7) Chloroethane	3.211	64	196489	10.645	ppbv	96
8) Dichlorotetrafluoroethane	2.870	85	1381390	11.299	ppbv	100
9) Propene	2.710	41	532813	10.265	ppbv	98
10) Heptane	7.581	43	1288564	10.247	ppbv	99
11) Trichlorofluoromethane	3.574	101	1405534	11.708	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.076	101	990175	11.154	ppbv	99
13) Ethanol	3.253	45	126743	10.893	ppbv	100
14) Bromoethene	3.378	108	415863	11.351	ppbv	98
15) Acetone	3.478	43	1031373	10.007	ppbv	99
16) 1,3-Butadiene	2.999	39	583634	11.218	ppbv	98
17) tert-Butyl alcohol	3.886	59	1088667	9.792	ppbv	99
18) 1,1-Dichloroethene	3.890	96	448808	11.339	ppbv	96
19) Isopropyl Alcohol	3.584	45	753929	11.148	ppbv #	44
20) Methylene Chloride	3.944	84	408141	11.388	ppbv	97
21) Allyl Chloride	4.005	41	724402	10.780	ppbv	97
22) trans-1,2-Dichloroethene	4.455	96	453911	11.027	ppbv	97
23) Vinyl Acetate	4.632	43	1238212	10.911	ppbv	99
24) 1,1-Dichloroethane	4.571	63	988275	11.199	ppbv	99
25) Ethyl Acetate	5.208	43	2172312	10.560	ppbv	99
26) Hexane	5.218	57	959205	10.449	ppbv	98
27) Carbon Disulfide	4.131	76	1181005	10.868	ppbv	96
28) Methyl tert-Butyl Ether	4.594	73	728777	9.970	ppbv	100
29) Chloroform	5.279	83	1474758	11.645	ppbv	98
30) Cyclohexane	6.607	84	784540	10.796	ppbv	98
31) cis-1,2-Dichloroethene	5.086	61	927852	10.797	ppbv	93
32) 1,1,1-Trichloroethane	6.005	97	1484968	11.752	ppbv	99
34) 2-Butanone	4.793	43	1158244	10.193	ppbv	98
35) Carbon Tetrachloride	6.497	117	1521744	12.146	ppbv	99
36) Benzene	6.375	78	2016598	10.764	ppbv	99
37) 1,2-Dichloroethane	5.812	62	1167634	11.945	ppbv	99
38) Trichloroethene	7.295	130	774055	11.087	ppbv	98
39) 1,2-Dichloropropane	7.076	63	773639	10.715	ppbv	98
40) 1,4-Dioxane	7.288	88	309399	11.995	ppbv #	1
41) Tetrahydrofuran	5.562	42	833112	10.128	ppbv	99
42) Bromodichloromethane	7.253	83	1696200	12.099	ppbv	99
43) Methyl Methacrylate	7.478	69	818486	10.801	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	3361366	10.406	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	662949	12.073	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	791224	11.770	ppbv	98
47) 1,1,2-Trichloroethane	8.899	97	830843	11.497	ppbv	99
48) Dibromochloromethane	9.709	129	1417102	12.307	ppbv	99
49) Bromoform	12.404	173	1183435	12.081	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	2132553	10.458	ppbv	100
51) 2-Hexanone	9.549	43	1535988	10.155	ppbv #	98
52) Tetrachloroethene	10.616	164	719037	10.919	ppbv	95
53) Toluene	9.221	91	2345566	10.797	ppbv	98
54) 1,2-Dibromoethane	10.012	107	1167017	11.922	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.507	131	1026918	10.474	ppbv	97
57) Chlorobenzene	11.526	112	1756255	9.918	ppbv	96
58) Ethyl Benzene	12.085	91	3176468	9.581	ppbv	100
59) m/p-Xylene	12.372	91	5378321m	19.302	ppbv	
60) o-Xylene	13.056	91	2532201	9.695	ppbv	100
61) Styrene	12.896	104	1375146	9.966	ppbv	99
62) Isopropylbenzene	14.027	105	3798372	9.722	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.044	83	1786071	10.032	ppbv	100
64) n-propylbenzene	14.918	120	995394	10.212	ppbv	96
65) tert-Butylbenzene	16.085	119	3320607	9.490	ppbv	99
66) Benzyl Chloride	16.326	91	281376	7.104	ppbv	98
67) sec-Butylbenzene	16.632	105	4722075	9.586	ppbv	98
69) p-Isopropyltoluene	16.992	119	3917549	9.651	ppbv	99
70) n-Butylbenzene	17.883	91	4117516	9.712	ppbv	99
71) 2-Chlorotoluene	14.796	91	2899795	9.748	ppbv	98
72) 4-Ethyltoluene	15.188	105	3052390	10.317	ppbv	98
73) 1,3,5-Trimethylbenzene	15.349	105	2656414	9.924	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	2876142	9.838	ppbv	92
75) 1,3-Dichlorobenzene	16.330	146	1710958	10.206	ppbv	100
76) 1,4-Dichlorobenzene	16.474	146	1696583	10.524	ppbv	99
77) 1,2-Dichlorobenzene	17.140	146	1668895	9.960	ppbv	99
78) Hexachloro-1,3-Butadiene	22.625	225	1183846	7.949	ppbv	99
79) Naphthalene	21.378	128	2885841	10.366	ppbv	100
80) Naphthalene,2-methyl-	24.371	142	925888	8.267	ppbv	99
81) 1,2,4-Trichlorobenzene	21.133	180	1391398	9.465	ppbv	99

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

