

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061124\
 Data File : VL041342.D
 Acq On : 11 Jun 2024 11:36
 Operator : SY/MD
 Sample : VL0611ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0611ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/12/2024
 Supervised By :Mahesh Dadoda 06/12/2024

Quant Time: Jun 12 01:21:31 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Wed Jun 12 01:18:29 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1095750	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2955100	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	3027702m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 2164232 9.258 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 92.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.767	85	1637196	9.356	ppbv	98
3) Chlorodifluoromethane	2.713	51	1717041	9.916	ppbv	100
4) Chloromethane	2.848	50	670594	10.289	ppbv	98
5) Vinyl Chloride	2.954	62	693738	10.566	ppbv	99
6) Bromomethane	3.150	94	210972	9.037	ppbv	95
7) Chloroethane	3.227	64	239981	10.616	ppbv	92
8) Dichlorotetrafluoroethane	2.893	85	1640440	10.194	ppbv	96
9) Propene	2.729	41	615504	9.979	ppbv	98
10) Heptane	7.594	43	1490060	10.193	ppbv	98
11) Trichlorofluoromethane	3.591	101	1658174	10.308	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.092	101	1170308	10.300	ppbv	95
13) Ethanol	3.275	45	131028	8.166	ppbv	97
14) Bromoethene	3.398	108	491422	10.687	ppbv	97
15) Acetone	3.497	43	1258640	10.061	ppbv	99
16) 1,3-Butadiene	3.018	39	673929	10.716	ppbv	98
17) tert-Butyl alcohol	3.902	59	1234576	10.718	ppbv	99
18) 1,1-Dichloroethene	3.909	96	529058	10.916	ppbv	90
19) Isopropyl Alcohol	3.603	45	829788	10.557	ppbv #	98
20) Methylene Chloride	3.960	84	433179	9.526	ppbv	98
21) Allyl Chloride	4.021	41	831653	10.493	ppbv	98
22) trans-1,2-Dichloroethene	4.468	96	555824	11.004	ppbv	98
23) Vinyl Acetate	4.648	43	1423018	11.122	ppbv	99
24) 1,1-Dichloroethane	4.587	63	1167629	10.374	ppbv	99
25) Ethyl Acetate	5.224	43	2459903	9.939	ppbv	99
26) Hexane	5.234	57	1097469	9.860	ppbv	99
27) Carbon Disulfide	4.150	76	1449734	11.759	ppbv	100
28) Methyl tert-Butyl Ether	4.607	73	841973	10.207	ppbv	99
29) Chloroform	5.295	83	1710020	10.014	ppbv	100
30) Cyclohexane	6.616	84	929971	10.308	ppbv	96
31) cis-1,2-Dichloroethene	5.099	61	1092543	10.388	ppbv	97
32) 1,1,1-Trichloroethane	6.021	97	1710761	10.576	ppbv	99
34) 2-Butanone	4.806	43	1400786	9.895	ppbv	99
35) Carbon Tetrachloride	6.510	117	1801785	10.728	ppbv	98
36) Benzene	6.388	78	2310098	10.086	ppbv	98
37) 1,2-Dichloroethane	5.825	62	1333509	9.986	ppbv	99
38) Trichloroethene	7.307	130	922583	9.939	ppbv	98
39) 1,2-Dichloropropane	7.089	63	895210	9.815	ppbv	99
40) 1,4-Dioxane	7.301	88	300617	9.000	ppbv #	1
41) Tetrahydrofuran	5.574	42	950987	10.324	ppbv	99
42) Bromodichloromethane	7.266	83	1949700	10.166	ppbv	98
43) Methyl Methacrylate	7.488	69	926251	10.613	ppbv	99
44) 2,2,4-Trimethylpentane	7.343	57	3855377	9.787	ppbv	99
45) t-1,3-Dichloropropene	8.722	75	598722	10.167	ppbv	92

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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	776377	10.242	ppbv	99
47) 1,1,2-Trichloroethane	8.912	97	978825	10.270	ppbv	99
48) Dibromochloromethane	9.722	129	1720954	10.956	ppbv	100
49) Bromoform	12.413	173	1473141	11.638	ppbv	100
50) 4-Methyl-2-Pentanone	8.192	43	2398317	10.234	ppbv	99
51) 2-Hexanone	9.561	43	1758143	10.555	ppbv #	99
52) Tetrachloroethene	10.622	164	880340	10.539	ppbv	99
53) Toluene	9.230	91	2728205	10.355	ppbv	100
54) 1,2-Dibromoethane	10.018	107	1300234	10.464	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.516	131	1260121	9.840	ppbv	99
57) Chlorobenzene	11.536	112	2102580	9.349	ppbv	99
58) Ethyl Benzene	12.098	91	3695389	9.522	ppbv	99
59) m/p-Xylene	12.381	91	6255566m	18.813	ppbv	
60) o-Xylene	13.069	91	2971397	9.374	ppbv	99
61) Styrene	12.905	104	1594368	10.259	ppbv	99
62) Isopropylbenzene	14.037	105	4481914	9.349	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.053	83	2135188	9.467	ppbv	100
64) n-propylbenzene	14.921	120	1206730	9.766	ppbv	95
65) tert-Butylbenzene	16.098	119	3990740	9.364	ppbv	99
66) Benzyl Chloride	16.333	91	210885m	7.520	ppbv	
67) sec-Butylbenzene	16.642	105	5614860	9.325	ppbv	99
69) p-Isopropyltoluene	17.002	119	4752257	9.577	ppbv	99
70) n-Butylbenzene	17.889	91	4923776	9.565	ppbv	99
71) 2-Chlorotoluene	14.806	91	3415782	9.309	ppbv	98
72) 4-Ethyltoluene	15.201	105	3586456	9.712	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	3146785	9.817	ppbv	98
74) 1,2,4-Trimethylbenzene	16.114	105	3443883	9.501	ppbv	95
75) 1,3-Dichlorobenzene	16.336	146	2126017	9.991	ppbv	100
76) 1,4-Dichlorobenzene	16.481	146	2086616	9.813	ppbv	99
77) 1,2-Dichlorobenzene	17.150	146	2070548	9.720	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1523181	8.725	ppbv	100
79) Naphthalene	21.390	128	3537334	11.246	ppbv	100
80) Naphthalene,2-methyl-	24.378	142	959980	9.038	ppbv	99
81) 1,2,4-Trichlorobenzene	21.146	180	1790394	10.207	ppbv #	100

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

