

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062624\
 Data File : VL041361.D
 Acq On : 26 Jun 2024 16:16
 Operator : SY/MD
 Sample : VL0626ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0626ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2024
 Supervised By :Mahesh Dadoda 06/27/2024

Quant Time: Jun 27 09:18:59 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M

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

QLast Update : Thu Jun 27 09:18:04 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.224	49	1107509	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.684	114	2943732	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.487	117	2876715m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.796 95 2097138 9.726 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.764	85	1568819	8.302	ppbv	100
3) Chlorodifluoromethane	2.709	51	1621859	8.493	ppbv	100
4) Chloromethane	2.848	50	626827	8.589	ppbv	98
5) Vinyl Chloride	2.957	62	651037	8.255	ppbv	100
6) Bromomethane	3.153	94	220773	8.850	ppbv	97
7) Chloroethane	3.230	64	226369	8.688	ppbv	99
8) Dichlorotetrafluoroethane	2.893	85	1577641	8.588	ppbv	100
9) Propene	2.729	41	551459	8.345	ppbv	98
10) Heptane	7.606	43	1390904	8.961	ppbv	99
11) Trichlorofluoromethane	3.594	101	1623545	8.826	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.098	101	1119659	8.685	ppbv	99
13) Ethanol	3.279	45	123477	8.423	ppbv	94
14) Bromoethene	3.398	108	470619	9.100	ppbv	97
15) Acetone	3.504	43	1212617	8.290	ppbv	99
16) 1,3-Butadiene	3.021	39	652434	9.372	ppbv	98
17) tert-Butyl alcohol	3.915	59	1163248	10.309	ppbv	100
18) 1,1-Dichloroethene	3.912	96	508925	8.979	ppbv	99
19) Isopropyl Alcohol	3.613	45	804068	10.014	ppbv #	98
20) Methylene Chloride	3.967	84	422342	7.958	ppbv	96
21) Allyl Chloride	4.028	41	791543	8.971	ppbv	100
22) trans-1,2-Dichloroethene	4.475	96	500531	8.891	ppbv	97
23) Vinyl Acetate	4.658	43	1478664	10.255	ppbv	99
24) 1,1-Dichloroethane	4.594	63	1082337	8.659	ppbv	100
25) Ethyl Acetate	5.233	43	2370042	8.799	ppbv	99
26) Hexane	5.243	57	1018749	8.542	ppbv	96
27) Carbon Disulfide	4.153	76	1320109	9.097	ppbv	99
28) Methyl tert-Butyl Ether	4.616	73	793700	8.973	ppbv	98
29) Chloroform	5.304	83	1588395	8.632	ppbv	96
30) Cyclohexane	6.632	84	871630	9.174	ppbv	99
31) cis-1,2-Dichloroethene	5.108	61	1038517	9.083	ppbv	98
32) 1,1,1-Trichloroethane	6.031	97	1581962	8.191	ppbv	99
34) 2-Butanone	4.819	43	1437789	9.256	ppbv	99
35) Carbon Tetrachloride	6.523	117	1657538	8.526	ppbv	98
36) Benzene	6.401	78	2181770	8.956	ppbv	98
37) 1,2-Dichloroethane	5.838	62	1241635	8.882	ppbv	99
38) Trichloroethene	7.317	130	829229	7.813	ppbv	98
39) 1,2-Dichloropropane	7.098	63	834874	8.868	ppbv	96
40) 1,4-Dioxane	7.311	88	242395	8.031	ppbv #	1
41) Tetrahydrofuran	5.584	42	894154	9.293	ppbv	99
42) Bromodichloromethane	7.278	83	1782560	9.114	ppbv	99
43) Methyl Methacrylate	7.500	69	881068	9.626	ppbv	99
44) 2,2,4-Trimethylpentane	7.352	57	3607455	8.713	ppbv	99
45) t-1,3-Dichloropropene	8.738	75	598947	10.340	ppbv	95

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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	745215	9.567	ppbv	97
47) 1,1,2-Trichloroethane	8.925	97	874105	8.656	ppbv	97
48) Dibromochloromethane	9.735	129	1497020	9.232	ppbv	100
49) Bromoform	12.429	173	1242352	9.620	ppbv	99
50) 4-Methyl-2-Pentanone	8.208	43	2265055	9.080	ppbv	99
51) 2-Hexanone	9.577	43	1641605	9.258	ppbv #	99
52) Tetrachloroethene	10.638	164	777331	7.946	ppbv	99
53) Toluene	9.246	91	2515563	9.155	ppbv	99
54) 1,2-Dibromoethane	10.034	107	1171837	9.377	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.532	131	1092874	8.442	ppbv	95
57) Chlorobenzene	11.552	112	1877579	8.320	ppbv	99
58) Ethyl Benzene	12.111	91	3341639	8.682	ppbv	99
59) m/p-Xylene	12.397	91	5663414m	17.003	ppbv	
60) o-Xylene	13.082	91	2671636	8.499	ppbv	100
61) Styrene	12.921	104	1424481	9.331	ppbv	98
62) Isopropylbenzene	14.053	105	4080474	8.408	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.069	83	1939495	7.831	ppbv	99
64) n-propylbenzene	14.937	120	1074104	8.478	ppbv	99
65) tert-Butylbenzene	16.111	119	3631598	8.404	ppbv	99
66) Benzyl Chloride	16.346	91	254225	8.953	ppbv	99
67) sec-Butylbenzene	16.657	105	5131980	8.397	ppbv	99
69) p-Isopropyltoluene	17.014	119	4298008	8.515	ppbv	99
70) n-Butylbenzene	17.908	91	4461391	8.647	ppbv	100
71) 2-Chlorotoluene	14.825	91	3100835	8.601	ppbv	99
72) 4-Ethyltoluene	15.217	105	3331485	8.898	ppbv	100
73) 1,3,5-Trimethylbenzene	15.371	105	2849185	8.890	ppbv	99
74) 1,2,4-Trimethylbenzene	16.127	105	3131072	8.670	ppbv #	91
75) 1,3-Dichlorobenzene	16.352	146	1885037	8.799	ppbv	99
76) 1,4-Dichlorobenzene	16.497	146	1887823	8.845	ppbv	99
77) 1,2-Dichlorobenzene	17.165	146	1823223	8.348	ppbv	99
78) Hexachloro-1,3-Butadiene	22.657	225	1266572	7.973	ppbv	100
79) Naphthalene	21.419	128	2322858	11.960	ppbv	97
80) Naphthalene,2-methyl-	24.400	142	3737m	7.311	ppbv	
81) 1,2,4-Trichlorobenzene	21.168	180	1241797	10.345	ppbv	99

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

