

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041319.D
 Acq On : 5 Jun 2024 7:51
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/05/2024
 Supervised By : Mahesh Dadoda 06/05/2024

Quant Time: Jun 05 08:39:24 2024

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

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

QLast Update : Wed Jun 05 04:42:10 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	873357	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3191965	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	3608967m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 3508591 12.592 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 125.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.758	85	1429977	10.253	ppbv	98
3) Chlorodifluoromethane	2.703	51	1273880	9.230	ppbv	99
4) Chloromethane	2.841	50	558702	10.755	ppbv	97
5) Vinyl Chloride	2.947	62	565647	10.809	ppbv	96
6) Bromomethane	3.144	94	298383	16.036	ppbv	95
7) Chloroethane	3.224	64	190387	10.567	ppbv	96
8) Dichlorotetrafluoroethane	2.883	85	1319091	10.284	ppbv	99
9) Propene	2.722	41	523183	10.642	ppbv	100
10) Heptane	7.587	43	1252274	10.747	ppbv	99
11) Trichlorofluoromethane	3.584	101	1337509	10.432	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.082	101	963771	10.642	ppbv	100
13) Ethanol	3.259	45	161570	12.633	ppbv	96
14) Bromoethene	3.388	108	393383	10.733	ppbv	98
15) Acetone	3.488	43	1132796	11.360	ppbv	100
16) 1,3-Butadiene	3.012	39	573041	11.432	ppbv	99
17) tert-Butyl alcohol	3.896	59	1071727	11.674	ppbv	99
18) 1,1-Dichloroethene	3.899	96	427856	11.075	ppbv	97
19) Isopropyl Alcohol	3.594	45	799911	12.768	ppbv	100
20) Methylene Chloride	3.951	84	364892	10.068	ppbv	96
21) Allyl Chloride	4.015	41	741417	11.737	ppbv	98
22) trans-1,2-Dichloroethene	4.462	96	440316	10.937	ppbv	97
23) Vinyl Acetate	4.642	43	1281340	12.564	ppbv	99
24) 1,1-Dichloroethane	4.581	63	962496	10.729	ppbv	99
25) Ethyl Acetate	5.217	43	2126892	10.782	ppbv	100
26) Hexane	5.227	57	918252	10.351	ppbv	99
27) Carbon Disulfide	4.143	76	1088760	11.080	ppbv	100
28) Methyl tert-Butyl Ether	4.600	73	687274	10.453	ppbv	99
29) Chloroform	5.288	83	1382752	10.159	ppbv	98
30) Cyclohexane	6.610	84	748595	10.411	ppbv	97
31) cis-1,2-Dichloroethene	5.092	61	913682	10.899	ppbv	98
32) 1,1,1-Trichloroethane	6.012	97	1366022	10.596	ppbv	100
34) 2-Butanone	4.799	43	1197660	7.832	ppbv	97
35) Carbon Tetrachloride	6.504	117	1317097	7.260	ppbv	97
36) Benzene	6.378	78	1913043	7.732	ppbv	99
37) 1,2-Dichloroethane	5.819	62	1093919	7.584	ppbv	100
38) Trichloroethene	7.298	130	714323	7.124	ppbv	97
39) 1,2-Dichloropropane	7.079	63	737886	7.490	ppbv	97
40) 1,4-Dioxane	7.291	88	288278	7.990	ppbv #	1
41) Tetrahydrofuran	5.568	42	828020	8.322	ppbv	98
42) Bromodichloromethane	7.259	83	1558229	7.522	ppbv	99
43) Methyl Methacrylate	7.478	69	785223	8.330	ppbv	99
44) 2,2,4-Trimethylpentane	7.336	57	3252343	7.644	ppbv	98
45) t-1,3-Dichloropropene	8.716	75	870797	13.690	ppbv	99

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1088948	13.299	ppbv	99
47) 1,1,2-Trichloroethane	8.902	97	786615	7.641	ppbv	99
48) Dibromochloromethane	9.716	129	1308870	7.715	ppbv	100
49) Bromoform	12.407	173	1087317	7.953	ppbv	100
50) 4-Methyl-2-Pentanone	8.185	43	2146774	8.481	ppbv	99
51) 2-Hexanone	9.552	43	1741975	9.682	ppbv #	98
52) Tetrachloroethene	10.619	164	675997	7.492	ppbv	97
53) Toluene	9.224	91	2231828	7.842	ppbv	99
54) 1,2-Dibromoethane	10.011	107	1171498	8.729	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.510	131	935035	6.126	ppbv #	18
57) Chlorobenzene	11.529	112	1653633	6.168	ppbv	99
58) Ethyl Benzene	12.089	91	3000202	6.485	ppbv	98
59) m/p-Xylene	12.375	91	5015299m	12.654	ppbv	
60) o-Xylene	13.056	91	2399559	6.350	ppbv	98
61) Styrene	12.896	104	1293999	6.985	ppbv	99
62) Isopropylbenzene	14.031	105	3529923	6.177	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	1701338	6.329	ppbv	100
64) n-propylbenzene	14.912	120	909872	6.178	ppbv	96
65) tert-Butylbenzene	16.088	119	3116918	6.135	ppbv	99
66) Benzyl Chloride	16.326	91	440441	13.177	ppbv	98
67) sec-Butylbenzene	16.635	105	4439115	6.185	ppbv	100
69) p-Isopropyltoluene	16.995	119	3704702	6.264	ppbv	100
70) n-Butylbenzene	17.886	91	3902209	6.359	ppbv	100
71) 2-Chlorotoluene	14.799	91	2689748	6.150	ppbv	99
72) 4-Ethyltoluene	15.191	105	2824197	6.416	ppbv	100
73) 1,3,5-Trimethylbenzene	15.352	105	2492361	6.523	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	2721693	6.299	ppbv	94
75) 1,3-Dichlorobenzene	16.329	146	1583939	6.245	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	1552025	6.123	ppbv	100
77) 1,2-Dichlorobenzene	17.143	146	1550685	6.107	ppbv	100
78) Hexachloro-1,3-Butadiene	22.635	225	1125146m	5.407	ppbv	
79) Naphthalene	21.384	128	2813625	7.504	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	988013	7.803	ppbv	99
81) 1,2,4-Trichlorobenzene	21.140	180	1282194	6.133	ppbv #	99

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

