

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121924\
 Data File : VL041826.D
 Acq On : 19 Dec 2024 18:12
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 20 01:46:50 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M

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

QLast Update : Thu Dec 19 07:32:09 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	81973	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	195810	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	170821	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 151852 10.668 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	128564	8.814	ppbv	96
3) Chlorodifluoromethane	1.476	51	124014	9.277	ppbv	99
4) Chloromethane	1.531	50	54185	9.494	ppbv	99
5) Vinyl Chloride	1.580	62	49333	8.580	ppbv	99
6) Bromomethane	1.667	94	22362	8.242	ppbv	99
7) Chloroethane	1.703	64	20385	9.127	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	117239	8.980	ppbv	95
9) Propene	1.483	41	44369	7.657	ppbv	99
10) Heptane	4.982	43	129369	8.692	ppbv	100
11) Trichlorofluoromethane	1.878	101	138690	8.952	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	100590	8.536	ppbv	97
13) Ethanol	1.722	45	2539	5.292	ppbv	98
14) Bromoethene	1.781	108	33492	8.419	ppbv	98
15) Acetone	1.836	43	123219	7.726	ppbv	98
16) 1,3-Butadiene	1.609	39	58187	9.265	ppbv	94
17) tert-Butyl alcohol	2.039	59	134728	8.515	ppbv	99
18) 1,1-Dichloroethene	2.033	96	42239	8.550	ppbv	90
19) Isopropyl Alcohol	1.884	45	62464	6.527	ppbv #	38
20) Methylene Chloride	2.059	84	37007	8.137	ppbv	96
21) Allyl Chloride	2.095	41	79151	9.150	ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	46693	8.257	ppbv	98
23) Vinyl Acetate	2.460	43	58292	7.871	ppbv	98
24) 1,1-Dichloroethane	2.408	63	102974	8.995	ppbv	100
25) Ethyl Acetate	2.836	43	267179	9.005	ppbv	99
26) Hexane	2.826	57	97692	8.676	ppbv	94
27) Carbon Disulfide	2.150	76	87443	8.618	ppbv	97
28) Methyl tert-Butyl Ether	2.441	73	68127	7.458	ppbv	98
29) Chloroform	2.849	83	154678	9.014	ppbv	100
30) Cyclohexane	3.858	84	77506	8.090	ppbv	96
31) cis-1,2-Dichloroethene	2.719	61	96075	8.257	ppbv	97
32) 1,1,1-Trichloroethane	3.366	97	146660	8.408	ppbv	97
34) 2-Butanone	2.557	43	149934	9.518	ppbv	97
35) Carbon Tetrachloride	3.765	117	151276	10.883	ppbv	98
36) Benzene	3.658	78	191005	9.430	ppbv	99
37) 1,2-Dichloroethane	3.218	62	122824	9.745	ppbv	100
38) Trichloroethene	4.548	130	71818	8.353	ppbv	94
39) 1,2-Dichloropropane	4.312	63	69067	9.428	ppbv	94
40) 1,4-Dioxane	4.583	88	29082	8.127	ppbv #	93
41) Tetrahydrofuran	3.056	42	82140	9.307	ppbv	97
42) Bromodichloromethane	4.490	83	148108	10.215	ppbv	95
43) Methyl Methacrylate	4.881	69	69240	8.972	ppbv	97
44) 2,2,4-Trimethylpentane	4.645	57	341613	9.876	ppbv	97
45) t-1,3-Dichloropropene	6.419	75	61532	7.708	ppbv	95

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46) cis-1,3-Dichloropropene	5.603	75	82960	8.187	ppbv	98
47) 1,1,2-Trichloroethane	6.584	97	71698	9.370	ppbv	92
48) Dibromochloromethane	7.390	129	104455	9.998	ppbv	99
49) Bromoform	9.484	173	84333	9.861	ppbv	100
50) 4-Methyl-2-Pentanone	5.755	43	208182	9.706	ppbv	98
51) 2-Hexanone	7.438	43	162066	9.322	ppbv #	96
52) Tetrachloroethene	8.225	164	59727	7.922	ppbv	96
53) Toluene	6.933	91	197327	8.593	ppbv	99
54) 1,2-Dibromoethane	7.655	107	96675	9.170	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.927	131	93296	10.302	ppbv	98
57) Chlorobenzene	8.924	112	164430	9.407	ppbv	98
58) Ethyl Benzene	9.358	91	286262	9.308	ppbv	100
59) m/p-Xylene	9.552	91	479664m	19.398	ppbv	
60) o-Xylene	9.963	91	239050	9.640	ppbv	99
61) Styrene	9.872	104	95865	8.941	ppbv	99
62) Isopropylbenzene	10.539	105	355098	9.531	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	151287	9.747	ppbv	98
64) n-propylbenzene	10.992	120	88168	9.360	ppbv	98
65) tert-Butylbenzene	11.533	119	309956	9.221	ppbv	99
66) Benzyl Chloride	11.617	91	20346m	6.872	ppbv	
67) sec-Butylbenzene	11.769	105	433396	9.318	ppbv	99
69) p-Isopropyltoluene	11.927	119	344944	8.999	ppbv	100
70) n-Butylbenzene	12.283	91	328535	8.870	ppbv	99
71) 2-Chlorotoluene	10.901	91	253504	8.914	ppbv	100
72) 4-Ethyltoluene	11.128	105	272476	9.309	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	234493	9.656	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	253321	9.701	ppbv	98
75) 1,3-Dichlorobenzene	11.607	146	141418	8.494	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	140230	8.526	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	138822	8.666	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	79337	6.679	ppbv	98
79) Naphthalene	13.517	128	166272	9.138	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	53906	9.578	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	78774	7.923	ppbv	99

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

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