

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041759.D
 Acq On : 16 Dec 2024 18:59
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL121624

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 07:36:00 2024

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 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	64976	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	174378	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	153443	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 129985 10.166 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	106780	9.236	ppbv	95
3) Chlorodifluoromethane	1.476	51	105141	9.922	ppbv	99
4) Chloromethane	1.531	50	43409	9.596	ppbv	96
5) Vinyl Chloride	1.580	62	40956	8.986	ppbv	97
6) Bromomethane	1.667	94	19590	9.109	ppbv	94
7) Chloroethane	1.703	64	17356	9.803	ppbv	92
8) Dichlorotetrafluoroethane	1.554	85	99858	9.650	ppbv	98
9) Propene	1.483	41	41721	9.084	ppbv	98
10) Heptane	4.981	43	115804	9.816	ppbv	99
11) Trichlorofluoromethane	1.877	101	115785	9.428	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	88265	9.450	ppbv	100
13) Ethanol	1.722	45	2749m	7.229	ppbv	
14) Bromoethene	1.780	108	31492	9.987	ppbv	98
15) Acetone	1.835	43	94879	7.505	ppbv	99
16) 1,3-Butadiene	1.609	39	45119	9.063	ppbv	98
17) tert-Butyl alcohol	2.039	59	122035	9.730	ppbv	100
18) 1,1-Dichloroethene	2.033	96	37466	9.568	ppbv	98
19) Isopropyl Alcohol	1.884	45	57577	7.590	ppbv	98
20) Methylene Chloride	2.062	84	32325	8.967	ppbv	96
21) Allyl Chloride	2.094	41	67596	9.859	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	42651	9.515	ppbv	97
23) Vinyl Acetate	2.463	43	51812	8.826	ppbv #	98
24) 1,1-Dichloroethane	2.408	63	87006	9.589	ppbv	100
25) Ethyl Acetate	2.835	43	234370	9.965	ppbv	100
26) Hexane	2.826	57	87034	9.752	ppbv	97
27) Carbon Disulfide	2.149	76	85650	10.649	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	62189	8.589	ppbv	99
29) Chloroform	2.848	83	134541	9.892	ppbv	98
30) Cyclohexane	3.858	84	75274	9.912	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	91628	9.935	ppbv	97
32) 1,1,1-Trichloroethane	3.366	97	137978	9.979	ppbv	99
34) 2-Butanone	2.557	43	133939	9.547	ppbv	99
35) Carbon Tetrachloride	3.764	117	138537	11.191	ppbv	97
36) Benzene	3.658	78	176537	9.787	ppbv	99
37) 1,2-Dichloroethane	3.221	62	112037	9.982	ppbv	99
38) Trichloroethene	4.551	130	70108	9.156	ppbv	96
39) 1,2-Dichloropropane	4.318	63	63675	9.761	ppbv	95
40) 1,4-Dioxane	4.583	88	30891	9.693	ppbv #	98
41) Tetrahydrofuran	3.056	42	77472	9.857	ppbv	99
42) Bromodichloromethane	4.493	83	139717	10.821	ppbv	95
43) Methyl Methacrylate	4.881	69	70299	10.229	ppbv	100
44) 2,2,4-Trimethylpentane	4.641	57	301772	9.796	ppbv	100
45) t-1,3-Dichloropropene	6.415	75	77534	10.907	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041759.D
 Acq On : 16 Dec 2024 18:59
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL121624

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 07:36:00 2024

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 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)
46) cis-1,3-Dichloropropene	5.603	75	95812	10.617	ppbv	97
47) 1,1,2-Trichloroethane	6.587	97	66169m	9.711	ppbv	
48) Dibromochloromethane	7.389	129	105378	11.326	ppbv	100
49) Bromoform	9.487	173	88971	11.682	ppbv	100
50) 4-Methyl-2-Pentanone	5.758	43	190637	9.980	ppbv	99
51) 2-Hexanone	7.441	43	155646	10.053	ppbv #	100
52) Tetrachloroethene	8.228	164	62782	9.351	ppbv	96
53) Toluene	6.933	91	199754	9.768	ppbv	99
54) 1,2-Dibromoethane	7.655	107	93439	9.952	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.927	131	85883	10.558	ppbv	99
57) Chlorobenzene	8.924	112	155257	9.888	ppbv	98
58) Ethyl Benzene	9.357	91	284770	10.308	ppbv	98
59) m/p-Xylene	9.555	91	459102m	20.669	ppbv	
60) o-Xylene	9.966	91	229517	10.304	ppbv	98
61) Styrene	9.875	104	106841	11.093	ppbv	99
62) Isopropylbenzene	10.542	105	348887	10.425	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	137547	9.865	ppbv	99
64) n-propylbenzene	10.992	120	87865	10.384	ppbv	98
65) tert-Butylbenzene	11.536	119	307790	10.194	ppbv	100
66) Benzyl Chloride	11.620	91	29398	11.054	ppbv	99
67) sec-Butylbenzene	11.772	105	430521	10.304	ppbv	99
69) p-Isopropyltoluene	11.927	119	365667	10.620	ppbv	100
70) n-Butylbenzene	12.283	91	356880	10.727	ppbv	99
71) 2-Chlorotoluene	10.904	91	264123	10.340	ppbv	99
72) 4-Ethyltoluene	11.128	105	280580	10.672	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	237804	10.902	ppbv	95
74) 1,2,4-Trimethylbenzene	11.542	105	256141	10.919	ppbv #	88
75) 1,3-Dichlorobenzene	11.610	146	149927	10.025	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	152212	10.302	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	142734	9.919	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	94671	8.873	ppbv	99
79) Naphthalene	13.516	128	202413	12.384	ppbv	100
80) Naphthalene,2-methyl-	14.461	142	102431	20.261	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	98468	11.025	ppbv	99

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

