

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041752.D
 Acq On : 16 Dec 2024 13:30
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 06:11:54 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 06:09:59 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	68599	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	183786	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	163333	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 138451 10.172 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	115385	9.453	ppbv	100
3) Chlorodifluoromethane	1.473	51	107429	9.603	ppbv	100
4) Chloromethane	1.531	50	43215	9.049	ppbv	100
5) Vinyl Chloride	1.580	62	42849	8.905	ppbv	100
6) Bromomethane	1.667	94	20252	8.919	ppbv	100
7) Chloroethane	1.703	64	17403	9.311	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	100191	9.171	ppbv	100
9) Propene	1.483	41	43440	8.959	ppbv	100
10) Heptane	4.979	43	116969	9.391	ppbv	100
11) Trichlorofluoromethane	1.875	101	122831	9.474	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.137	101	91977	9.327	ppbv	100
13) Ethanol	1.719	45	2484	6.161	ppbv	100
14) Bromoethene	1.781	108	32528	9.770	ppbv	100
15) Acetone	1.832	43	100229	7.509	ppbv	100
16) 1,3-Butadiene	1.606	39	46989	8.940	ppbv	100
17) tert-Butyl alcohol	2.036	59	125757	9.497	ppbv	100
18) 1,1-Dichloroethene	2.033	96	38775	9.379	ppbv	100
19) Isopropyl Alcohol	1.884	45	59026	7.370	ppbv	100
20) Methylene Chloride	2.059	84	32734	8.601	ppbv	100
21) Allyl Chloride	2.095	41	69406	9.588	ppbv	100
22) trans-1,2-Dichloroethene	2.337	96	43898	9.276	ppbv	100
23) Vinyl Acetate	2.457	43	54227	9.350	ppbv	100
24) 1,1-Dichloroethane	2.405	63	89912	9.386	ppbv	100
25) Ethyl Acetate	2.833	43	235305	9.432	ppbv	100
26) Hexane	2.823	57	89385	9.486	ppbv	100
27) Carbon Disulfide	2.150	76	92329	10.873	ppbv	100
28) Methyl tert-Butyl Ether	2.438	73	75330	9.854	ppbv	100
29) Chloroform	2.846	83	135099	9.408	ppbv	100
30) Cyclohexane	3.855	84	75156	9.374	ppbv	100
31) cis-1,2-Dichloroethene	2.719	61	91276	9.374	ppbv	100
32) 1,1,1-Trichloroethane	3.363	97	139102	9.733	ppbv	100
34) 2-Butanone	2.554	43	135331	9.153	ppbv	100
35) Carbon Tetrachloride	3.758	117	138952	10.650	ppbv	100
36) Benzene	3.655	78	179134	9.423	ppbv	100
37) 1,2-Dichloroethane	3.215	62	111770	9.449	ppbv	100
38) Trichloroethene	4.545	130	71297	8.907	ppbv	100
39) 1,2-Dichloropropane	4.309	63	64789	9.423	ppbv	100
40) 1,4-Dioxane	4.580	88	30658	9.128	ppbv #	100
41) Tetrahydrofuran	3.049	42	78480	9.474	ppbv	100
42) Bromodichloromethane	4.483	83	142819	10.494	ppbv	100
43) Methyl Methacrylate	4.878	69	72578	10.020	ppbv	100
44) 2,2,4-Trimethylpentane	4.639	57	307748	9.479	ppbv	100
45) t-1,3-Dichloropropene	6.412	75	77752	10.378	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	97992	10.303	ppbv	100
47) 1,1,2-Trichloroethane	6.577	97	67550	9.406	ppbv	100
48) Dibromochloromethane	7.383	129	108899	11.105	ppbv	100
49) Bromoform	9.481	173	91587	11.410	ppbv	100
50) 4-Methyl-2-Pentanone	5.749	43	194838	9.678	ppbv	100
51) 2-Hexanone	7.432	43	157473	9.650	ppbv	100
52) Tetrachloroethene	8.222	164	62989	8.901	ppbv	100
53) Toluene	6.930	91	206354	9.574	ppbv	100
54) 1,2-Dibromoethane	7.649	107	94016	9.501	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	86831	10.027	ppbv	100
57) Chlorobenzene	8.921	112	155349	9.295	ppbv	100
58) Ethyl Benzene	9.354	91	289734	9.853	ppbv	100
59) m/p-Xylene	9.549	91	462802m	19.568	ppbv	
60) o-Xylene	9.963	91	232101	9.789	ppbv	100
61) Styrene	9.869	104	110041	10.733	ppbv	100
62) Isopropylbenzene	10.539	105	348684	9.788	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	137363	9.255	ppbv	100
64) n-propylbenzene	10.989	120	87360	9.700	ppbv	100
65) tert-Butylbenzene	11.529	119	309036	9.615	ppbv	100
66) Benzyl Chloride	11.614	91	31039	10.954	ppbv	100
67) sec-Butylbenzene	11.769	105	430810	9.687	ppbv	100
69) p-Isopropyltoluene	11.924	119	363072	9.906	ppbv	100
70) n-Butylbenzene	12.280	91	358993	10.137	ppbv	100
71) 2-Chlorotoluene	10.902	91	264002	9.708	ppbv	100
72) 4-Ethyltoluene	11.125	105	282698	10.120	ppbv	100
73) 1,3,5-Trimethylbenzene	11.203	105	239261	10.304	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	255780	10.244	ppbv	100
75) 1,3-Dichlorobenzene	11.607	146	151752	9.532	ppbv	100
76) 1,4-Dichlorobenzene	11.672	146	152099	9.671	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	141338	9.227	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	95751	8.431	ppbv	100
79) Naphthalene	13.514	128	205511	11.812	ppbv	100
80) Naphthalene,2-methyl-	14.459	142	106311	19.755	ppbv	100
81) 1,2,4-Trichlorobenzene	13.439	180	101461	10.672	ppbv	100

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

