

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041082.D
 Acq On : 11 Mar 2024 11:05
 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 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024

Quant Time: Mar 12 05:48:54 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

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

QLast Update : Tue Mar 12 05:47:21 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1502734	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.667	114	3742346	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	3616248	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.796 95 2849661 10.079 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	2678715	9.355	ppbv	100
3) Chlorodifluoromethane	2.671	51	2050486	9.291	ppbv	100
4) Chloromethane	2.809	50	757058	9.063	ppbv	100
5) Vinyl Chloride	2.918	62	806871	9.493	ppbv	100
6) Bromomethane	3.118	94	334301	9.918	ppbv	100
7) Chloroethane	3.195	64	284540	9.512	ppbv	100
8) Dichlorotetrafluoroethane	2.854	85	1929996	9.281	ppbv	100
9) Propene	2.690	41	693835	9.440	ppbv	100
10) Heptane	7.597	43	1736959	9.877	ppbv	100
11) Trichlorofluoromethane	3.565	101	2095659	9.491	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.070	101	1550208	9.549	ppbv	100
13) Ethanol	3.240	45	160550m	8.633	ppbv	
14) Bromoethene	3.365	108	611053	9.653	ppbv	100
15) Acetone	3.468	43	1405666	8.211	ppbv	100
16) 1,3-Butadiene	2.983	39	752586	9.337	ppbv	100
17) tert-Butyl alcohol	3.880	59	1190661	9.354	ppbv	100
18) 1,1-Dichloroethene	3.883	96	679069	9.500	ppbv	100
19) Isopropyl Alcohol	3.574	45	869034	9.503	ppbv	100
20) Methylene Chloride	3.934	84	572950	8.584	ppbv	100
21) Allyl Chloride	3.999	41	928568	9.603	ppbv	100
22) trans-1,2-Dichloroethene	4.452	96	830475	9.758	ppbv	100
23) Vinyl Acetate	4.632	43	2006716	10.555	ppbv	100
24) 1,1-Dichloroethane	4.571	63	1727053	9.868	ppbv	100
25) Ethyl Acetate	5.211	43	2945705	9.550	ppbv	100
26) Hexane	5.221	57	1298990	9.390	ppbv	100
27) Carbon Disulfide	4.127	76	1695025	10.257	ppbv	100
28) Methyl tert-Butyl Ether	4.590	73	1184780	9.720	ppbv	100
29) Chloroform	5.285	83	2227885	9.363	ppbv	100
30) Cyclohexane	6.613	84	1084141	9.577	ppbv	100
31) cis-1,2-Dichloroethene	5.086	61	1331995	9.940	ppbv	100
32) 1,1,1-Trichloroethane	6.012	97	2167181	10.168	ppbv	100
34) 2-Butanone	4.790	43	1864593	10.035	ppbv	100
35) Carbon Tetrachloride	6.507	117	2312621	10.613	ppbv	100
36) Benzene	6.381	78	2748449	9.866	ppbv	100
37) 1,2-Dichloroethane	5.819	62	1655674	9.879	ppbv	100
38) Trichloroethene	7.307	130	1072379	10.312	ppbv	100
39) 1,2-Dichloropropane	7.085	63	1074709	9.648	ppbv	100
40) 1,4-Dioxane	7.298	88	432254	9.843	ppbv	100
41) Tetrahydrofuran	5.561	42	1121702	10.176	ppbv	100
42) Bromodichloromethane	7.262	83	2417882	10.070	ppbv	100
43) Methyl Methacrylate	7.487	69	1136716	10.562	ppbv	100
44) 2,2,4-Trimethylpentane	7.339	57	4535053	9.741	ppbv	100
45) t-1,3-Dichloropropene	8.728	75	859610	11.499	ppbv	100

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QLast Update : Tue Mar 12 05:47:21 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	1030279	11.062	ppbv	100
47) 1,1,2-Trichloroethane	8.915	97	1173029	9.852	ppbv	100
48) Dibromochloromethane	9.728	129	2045282	10.544	ppbv	100
49) Bromoform	12.426	173	1697398	11.015	ppbv	100
50) 4-Methyl-2-Pentanone	8.195	43	2839206	10.389	ppbv	100
51) 2-Hexanone	9.564	43	2088084	10.318	ppbv	100
52) Tetrachloroethene	10.632	164	943120	10.888	ppbv	100
53) Toluene	9.236	91	3150760	10.493	ppbv	100
54) 1,2-Dibromoethane	10.027	107	1682200	11.012	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.526	131	1490043	9.623	ppbv	100
57) Chlorobenzene	11.545	112	2469206	9.537	ppbv	100
58) Ethyl Benzene	12.105	91	4304749	10.167	ppbv	100
59) m/p-Xylene	12.387	91	7333136m	19.729	ppbv	
60) o-Xylene	13.079	91	3539944	10.041	ppbv	100
61) Styrene	12.915	104	1825155	11.351	ppbv	100
62) Isopropylbenzene	14.047	105	5118958	9.761	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.066	83	2663340	9.894	ppbv	100
64) n-propylbenzene	14.934	120	1323777	10.018	ppbv	100
65) tert-Butylbenzene	16.111	119	4453629	9.790	ppbv	100
66) Benzyl Chloride	16.342	91	339120	11.062	ppbv	100
67) sec-Butylbenzene	16.654	105	6360806	9.706	ppbv	100
69) p-Isopropyltoluene	17.014	119	5123320	10.022	ppbv	100
70) n-Butylbenzene	17.902	91	5573867	10.089	ppbv	100
71) 2-Chlorotoluene	14.818	91	4036207	10.067	ppbv	100
72) 4-Ethyltoluene	15.211	105	4062674	10.457	ppbv	100
73) 1,3,5-Trimethylbenzene	15.368	105	3501734	10.185	ppbv	100
74) 1,2,4-Trimethylbenzene	16.127	105	3833200	9.762	ppbv	100
75) 1,3-Dichlorobenzene	16.346	146	2255256m	10.064	ppbv	
76) 1,4-Dichlorobenzene	16.490	146	2198393	9.750	ppbv	100
77) 1,2-Dichlorobenzene	17.162	146	2167733	9.793	ppbv	100
78) Hexachloro-1,3-Butadiene	22.654	225	1299264	8.392	ppbv	100
79) Naphthalene	21.406	128	2783574	12.045	ppbv	100
80) Naphthalene,2-methyl-	24.390	142	436496	14.466	ppbv	100
81) 1,2,4-Trichlorobenzene	21.162	180	1377389	10.428	ppbv	100

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

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