

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020924\
 Data File : VL041049.D
 Acq On : 9 Feb 2024 8:59
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/12/2024
 Supervised By : Mahesh Dadoda 02/12/2024

Quant Time: Feb 12 00:42:18 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Mon Feb 12 00:40:04 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1191787	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2976792	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2964779m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.761 95 2288780 10.221 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	2408886	9.151	ppbv	98
3) Chlorodifluoromethane	2.661	51	1834779	9.153	ppbv	100
4) Chloromethane	2.796	50	701034	9.331	ppbv	98
5) Vinyl Chloride	2.906	62	729294	9.900	ppbv	99
6) Bromomethane	3.105	94	306127	9.544	ppbv	94
7) Chloroethane	3.182	64	254454	9.593	ppbv	98
8) Dichlorotetrafluoroethane	2.841	85	1766726	8.984	ppbv	98
9) Propene	2.677	41	610644	9.287	ppbv	95
10) Heptane	7.568	43	1527170	9.438	ppbv	98
11) Trichlorofluoromethane	3.549	101	1902221	8.968	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.054	101	1414697	9.203	ppbv	99
13) Ethanol	3.224	45	136123	8.687	ppbv	99
14) Bromoethene	3.353	108	579824	9.824	ppbv	98
15) Acetone	3.452	43	1270716	8.338	ppbv	99
16) 1,3-Butadiene	2.970	39	670527	9.197	ppbv	96
17) tert-Butyl alcohol	3.864	59	1208588	9.668	ppbv	100
18) 1,1-Dichloroethene	3.864	96	611602	9.293	ppbv	95
19) Isopropyl Alcohol	3.562	45	864799	9.803	ppbv	99
20) Methylene Chloride	3.919	84	487981	8.321	ppbv	96
21) Allyl Chloride	3.980	41	847847	9.156	ppbv	100
22) trans-1,2-Dichloroethene	4.433	96	640018	9.444	ppbv	97
23) Vinyl Acetate	4.613	43	1448888	9.223	ppbv	98
24) 1,1-Dichloroethane	4.549	63	1260357	9.044	ppbv	98
25) Ethyl Acetate	5.192	43	2577827	9.328	ppbv	99
26) Hexane	5.198	57	1099375	9.333	ppbv	99
27) Carbon Disulfide	4.111	76	1465568	9.561	ppbv	99
28) Methyl tert-Butyl Ether	4.571	73	855658	8.752	ppbv	97
29) Chloroform	5.259	83	1926708	9.222	ppbv	100
30) Cyclohexane	6.587	84	947428	9.600	ppbv	99
31) cis-1,2-Dichloroethene	5.063	61	1134230	10.259	ppbv	98
32) 1,1,1-Trichloroethane	5.989	97	1906761	9.549	ppbv	100
34) 2-Butanone	4.771	43	1385589	9.770	ppbv	100
35) Carbon Tetrachloride	6.481	117	2038665	10.270	ppbv	99
36) Benzene	6.359	78	2383305	9.694	ppbv	98
37) 1,2-Dichloroethane	5.793	62	1472491	9.815	ppbv	99
38) Trichloroethene	7.275	130	956333	9.703	ppbv	99
39) 1,2-Dichloropropane	7.057	63	941975	9.726	ppbv	97
40) 1,4-Dioxane	7.272	88	398911	9.917	ppbv #	1
41) Tetrahydrofuran	5.539	42	963446	10.005	ppbv	100
42) Bromodichloromethane	7.237	83	2133700	9.940	ppbv	99
43) Methyl Methacrylate	7.462	69	992791	10.465	ppbv	100
44) 2,2,4-Trimethylpentane	7.314	57	3984023	9.631	ppbv	99
45) t-1,3-Dichloropropene	8.697	75	766137	11.819	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	908866	11.243	ppbv	96
47) 1,1,2-Trichloroethane	8.886	97	1029692	9.864	ppbv	97
48) Dibromochloromethane	9.696	129	1820320	10.314	ppbv	99
49) Bromoform	12.394	173	1524833	11.014	ppbv	99
50) 4-Methyl-2-Pentanone	8.166	43	2564230	10.267	ppbv	100
51) 2-Hexanone	9.536	43	1893815	10.520	ppbv #	99
52) Tetrachloroethene	10.603	164	841403	10.306	ppbv	99
53) Toluene	9.208	91	2743634	10.187	ppbv	99
54) 1,2-Dibromoethane	9.995	107	1479210	10.463	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.494	131	1358556	9.551	ppbv	100
57) Chlorobenzene	11.513	112	2166604	9.085	ppbv	100
58) Ethyl Benzene	12.076	91	3813599	9.579	ppbv	99
59) m/p-Xylene	12.356	91	6561316m	18.902	ppbv	
60) o-Xylene	13.040	91	3168162	9.513	ppbv	100
61) Styrene	12.886	104	1610329	10.530	ppbv	100
62) Isopropylbenzene	14.015	105	4573342	9.285	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.034	83	2401255	9.277	ppbv	99
64) n-propylbenzene	14.905	120	1202131	9.661	ppbv	97
65) tert-Butylbenzene	16.079	119	4058718	9.432	ppbv	99
66) Benzyl Chloride	16.310	91	305709	10.841	ppbv	100
67) sec-Butylbenzene	16.619	105	5758976	9.191	ppbv	100
69) p-Isopropyltoluene	16.982	119	4600720	9.479	ppbv	100
70) n-Butylbenzene	17.873	91	4953080	9.444	ppbv	100
71) 2-Chlorotoluene	14.783	91	3611196	9.502	ppbv	99
72) 4-Ethyltoluene	15.179	105	3638489	9.782	ppbv	100
73) 1,3,5-Trimethylbenzene	15.336	105	3147822	9.536	ppbv	97
74) 1,2,4-Trimethylbenzene	16.095	105	3479999	9.299	ppbv	92
75) 1,3-Dichlorobenzene	16.314	146	2009040	9.433	ppbv	99
76) 1,4-Dichlorobenzene	16.458	146	1987050	9.455	ppbv	98
77) 1,2-Dichlorobenzene	17.127	146	1962631	9.272	ppbv	99
78) Hexachloro-1,3-Butadiene	22.616	225	1116445	8.179	ppbv	100
79) Naphthalene	21.371	128	2482313	11.628	ppbv	98
80) Naphthalene,2-methyl-	24.365	142	428275m	11.423	ppbv	
81) 1,2,4-Trichlorobenzene	21.124	180	1234676	9.913	ppbv	99

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

