

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042524\
 Data File : VL041176.D
 Acq On : 25 Apr 2024 18:33
 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 04/26/2024
 Supervised By :Mahesh Dadoda 04/26/2024

Quant Time: Apr 26 03:16:07 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

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

QLast Update : Fri Apr 26 03:09:28 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1154601	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2945735	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.446	117	2974725	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.748 95 2382647 9.961 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	1787728	9.052	ppbv	99
3) Chlorodifluoromethane	2.677	51	1867232	10.500	ppbv	99
4) Chloromethane	2.816	50	708163	10.523	ppbv	98
5) Vinyl Chloride	2.922	62	736282	11.326	ppbv	97
6) Bromomethane	3.118	94	267513	10.932	ppbv	96
7) Chloroethane	3.195	64	253109	10.609	ppbv	97
8) Dichlorotetrafluoroethane	2.861	85	1802273	10.697	ppbv	99
9) Propene	2.697	41	629378	11.125	ppbv	94
10) Heptane	7.561	43	1561160	11.623	ppbv	99
11) Trichlorofluoromethane	3.558	101	1841789	10.284	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.060	101	1314382	10.140	ppbv	100
13) Ethanol	3.240	45	130256	9.680	ppbv	96
14) Bromoethene	3.362	108	568755	11.140	ppbv	98
15) Acetone	3.465	43	1341881	10.733	ppbv	100
16) 1,3-Butadiene	2.986	39	696179	11.344	ppbv	99
17) tert-Butyl alcohol	3.870	59	1232008	10.881	ppbv	100
18) 1,1-Dichloroethene	3.874	96	590650	10.673	ppbv	95
19) Isopropyl Alcohol	3.571	45	860746	11.333	ppbv	99
20) Methylene Chloride	3.928	84	506534	9.824	ppbv	97
21) Allyl Chloride	3.993	41	829700	10.892	ppbv	98
22) trans-1,2-Dichloroethene	4.436	96	605968	10.444	ppbv	99
23) Vinyl Acetate	4.616	43	1456653	11.406	ppbv	98
24) 1,1-Dichloroethane	4.555	63	1250027	10.757	ppbv	99
25) Ethyl Acetate	5.192	43	2670915	11.376	ppbv	100
26) Hexane	5.201	57	1130245	10.729	ppbv	98
27) Carbon Disulfide	4.118	76	1450878	11.240	ppbv	98
28) Methyl tert-Butyl Ether	4.578	73	845915	10.640	ppbv	100
29) Chloroform	5.263	83	1946707	10.962	ppbv	98
30) Cyclohexane	6.587	84	961981	11.210	ppbv	99
31) cis-1,2-Dichloroethene	5.066	61	1146946	11.502	ppbv	99
32) 1,1,1-Trichloroethane	5.989	97	1909055	11.629	ppbv	100
34) 2-Butanone	4.774	43	1389287	11.145	ppbv	99
35) Carbon Tetrachloride	6.478	117	1978415	11.797	ppbv	96
36) Benzene	6.356	78	2435982	11.261	ppbv	99
37) 1,2-Dichloroethane	5.793	62	1454409	11.198	ppbv	99
38) Trichloroethene	7.275	130	981585	12.560	ppbv	98
39) 1,2-Dichloropropane	7.053	63	963183	11.292	ppbv	97
40) 1,4-Dioxane	7.269	88	376785	12.675	ppbv	77
41) Tetrahydrofuran	5.545	42	980491	11.814	ppbv	100
42) Bromodichloromethane	7.234	83	2140976	11.538	ppbv	98
43) Methyl Methacrylate	7.455	69	1023062	12.416	ppbv	99
44) 2,2,4-Trimethylpentane	7.311	57	4079844	11.392	ppbv	99
45) t-1,3-Dichloropropene	8.693	75	704090	14.500	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	854543	13.602	ppbv	98
47) 1,1,2-Trichloroethane	8.877	97	1061055	11.510	ppbv	98
48) Dibromochloromethane	9.690	129	1796459	12.276	ppbv	100
49) Bromoform	12.384	173	1465632	12.642	ppbv	99
50) 4-Methyl-2-Pentanone	8.160	43	2637988	12.026	ppbv	99
51) 2-Hexanone	9.529	43	1919352	12.620	ppbv #	99
52) Tetrachloroethene	10.590	164	832996	12.069	ppbv	96
53) Toluene	9.201	91	2802884	12.306	ppbv	100
54) 1,2-Dibromoethane	9.986	107	1442536	12.547	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.487	131	1316559	10.769	ppbv	100
57) Chlorobenzene	11.507	112	2210294	10.854	ppbv	97
58) Ethyl Benzene	12.066	91	3830364	11.761	ppbv	97
59) m/p-Xylene	12.349	91	6599132m	22.436	ppbv	
60) o-Xylene	13.037	91	3154940	11.321	ppbv	100
61) Styrene	12.873	104	1594174	12.909	ppbv	100
62) Isopropylbenzene	14.005	105	4629038	11.157	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.024	83	2417425	11.040	ppbv	99
64) n-propylbenzene	14.892	120	1213011	11.650	ppbv	97
65) tert-Butylbenzene	16.066	119	4109038	11.344	ppbv	100
66) Benzyl Chloride	16.304	91	288097	12.089	ppbv	99
67) sec-Butylbenzene	16.609	105	5849117	11.177	ppbv	99
69) p-Isopropyltoluene	16.969	119	4723502	11.575	ppbv	100
70) n-Butylbenzene	17.860	91	5171619	11.666	ppbv	100
71) 2-Chlorotoluene	14.777	91	3612589	11.352	ppbv	99
72) 4-Ethyltoluene	15.169	105	3637901	11.687	ppbv	99
73) 1,3,5-Trimethylbenzene	15.326	105	3187793	11.612	ppbv	96
74) 1,2,4-Trimethylbenzene	16.082	105	3564371	11.345	ppbv	98
75) 1,3-Dichlorobenzene	16.304	146	2080912	11.344	ppbv	99
76) 1,4-Dichlorobenzene	16.452	146	1997169	11.193	ppbv	100
77) 1,2-Dichlorobenzene	17.117	146	2010199	11.285	ppbv	100
78) Hexachloro-1,3-Butadiene	22.599	225	1235636	10.434	ppbv	99
79) Naphthalene	21.355	128	3013158	14.949	ppbv	99
80) Naphthalene,2-methyl-	24.355	142	663941	16.910	ppbv	98
81) 1,2,4-Trichlorobenzene	21.114	180	1452433	12.854	ppbv	99

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

