

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041525.D
 Acq On : 8 Aug 2024 23:23
 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 08/09/2024
 Supervised By : Mahesh Dadoda 08/09/2024

Quant Time: Aug 09 06:01:19 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 9 2024

QLast Update : Tue Aug 06 01:32:58 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1044025	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2810934	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2712733m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2090482 10.014 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	1445611	8.049	ppbv	99
3) Chlorodifluoromethane	2.677	51	1142655	9.194	ppbv	99
4) Chloromethane	2.816	50	603671	9.132	ppbv	100
5) Vinyl Chloride	2.922	62	607658	9.326	ppbv	96
6) Bromomethane	3.121	94	312636	9.336	ppbv	99
7) Chloroethane	3.198	64	216293	9.619	ppbv	99
8) Dichlorotetrafluoroethane	2.857	85	1438190	9.037	ppbv	100
9) Propene	2.697	41	515070	9.021	ppbv	99
10) Heptane	7.574	43	1281092	9.986	ppbv	100
11) Trichlorofluoromethane	3.562	101	1467280	9.199	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.063	101	1068334	9.301	ppbv	100
13) Ethanol	3.250	45	35743m	7.004	ppbv	
14) Bromoethene	3.365	108	431159	9.629	ppbv	99
15) Acetone	3.468	43	1119038	9.434	ppbv	99
16) 1,3-Butadiene	2.986	39	606913	9.576	ppbv	99
17) tert-Butyl alcohol	3.873	59	1177194	10.881	ppbv	99
18) 1,1-Dichloroethene	3.880	96	477099	9.710	ppbv	99
19) Isopropyl Alcohol	3.574	45	611116	8.812	ppbv	99
20) Methylene Chloride	3.931	84	395949	8.951	ppbv	99
21) Allyl Chloride	3.996	41	791773	10.178	ppbv	97
22) trans-1,2-Dichloroethene	4.443	96	485777	9.888	ppbv	98
23) Vinyl Acetate	4.626	43	984033	10.862	ppbv	99
24) 1,1-Dichloroethane	4.562	63	1021039	9.572	ppbv	100
25) Ethyl Acetate	5.201	43	2312537	9.813	ppbv	100
26) Hexane	5.211	57	944715	9.664	ppbv	98
27) Carbon Disulfide	4.121	76	1104203	9.655	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	617894	10.022	ppbv	99
29) Chloroform	5.269	83	1499493	9.404	ppbv	96
30) Cyclohexane	6.600	84	811078	10.188	ppbv	100
31) cis-1,2-Dichloroethene	5.076	61	955677	9.896	ppbv	99
32) 1,1,1-Trichloroethane	5.999	97	1478445	9.525	ppbv	100
34) 2-Butanone	4.783	43	1381840	10.162	ppbv	99
35) Carbon Tetrachloride	6.491	117	1538654	9.924	ppbv	99
36) Benzene	6.369	78	2051357	9.987	ppbv	100
37) 1,2-Dichloroethane	5.803	62	1144849	9.959	ppbv	100
38) Trichloroethene	7.288	130	928679	9.869	ppbv	100
39) 1,2-Dichloropropane	7.069	63	789968	10.046	ppbv	98
40) 1,4-Dioxane	7.285	88	216526	6.855	ppbv #	1
41) Tetrahydrofuran	5.552	42	833285	10.715	ppbv	98
42) Bromodichloromethane	7.246	83	1635634	9.853	ppbv	100
43) Methyl Methacrylate	7.471	69	798062	10.835	ppbv	96
44) 2,2,4-Trimethylpentane	7.323	57	3398347	9.906	ppbv	100
45) t-1,3-Dichloropropene	8.706	75	810708	11.959	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1078512	11.017	ppbv	98
47) 1,1,2-Trichloroethane	8.896	97	839814	9.689	ppbv	97
48) Dibromochloromethane	9.706	129	1398031	10.012	ppbv	100
49) Bromoform	12.404	173	1214092	10.293	ppbv	99
50) 4-Methyl-2-Pentanone	8.176	43	2258676	10.528	ppbv	100
51) 2-Hexanone	9.542	43	1837837	11.330	ppbv #	100
52) Tetrachloroethene	10.613	164	768071	9.678	ppbv	98
53) Toluene	9.217	91	2380296	10.404	ppbv	100
54) 1,2-Dibromoethane	10.005	107	1216973	10.548	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.503	131	1024758	9.741	ppbv #	55
57) Chlorobenzene	11.523	112	1842374	9.539	ppbv	98
58) Ethyl Benzene	12.082	91	3184233	10.184	ppbv	100
59) m/p-Xylene	12.365	91	5416937m	20.069	ppbv	
60) o-Xylene	13.053	91	2584764	10.123	ppbv	100
61) Styrene	12.892	104	1262975	10.964	ppbv	99
62) Isopropylbenzene	14.024	105	3773757	9.722	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.040	83	1583340	9.820	ppbv	100
64) n-propylbenzene	14.908	120	1006700	9.920	ppbv	96
65) tert-Butylbenzene	16.085	119	3373340	9.622	ppbv	100
66) Benzyl Chloride	16.323	91	265144	11.791	ppbv	100
67) sec-Butylbenzene	16.629	105	4730028	9.792	ppbv	100
69) p-Isopropyltoluene	16.989	119	3981759	9.934	ppbv	100
70) n-Butylbenzene	17.879	91	4122783	10.033	ppbv	100
71) 2-Chlorotoluene	14.796	91	2855879	9.977	ppbv	100
72) 4-Ethyltoluene	15.185	105	3115203	10.363	ppbv	99
73) 1,3,5-Trimethylbenzene	15.342	105	2668747	10.305	ppbv	100
74) 1,2,4-Trimethylbenzene	16.101	105	2961905	9.838	ppbv	99
75) 1,3-Dichlorobenzene	16.323	146	1834331	9.692	ppbv	100
76) 1,4-Dichlorobenzene	16.468	146	1798524	9.814	ppbv	100
77) 1,2-Dichlorobenzene	17.133	146	1787070	9.525	ppbv	100
78) Hexachloro-1,3-Butadiene	22.622	225	1371775	8.574	ppbv	99
79) Naphthalene	21.371	128	3037446	11.430	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	2241512	10.063	ppbv	99
81) 1,2,4-Trichlorobenzene	21.130	180	1613809	10.205	ppbv	99

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

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