

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041304.D
 Acq On : 4 Jun 2024 13:09
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024
 Supervised By :Mahesh Dadoda 06/05/2024

Quant Time: Jun 04 13:37:55 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Tue Jun 04 11:52:35 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	994380	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2630300	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2561113	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2012311 10.408 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.758	85	1812269	13.473	ppbv	98
3) Chlorodifluoromethane	2.703	51	2090635	13.843	ppbv	100
4) Chloromethane	2.841	50	788148	13.300	ppbv	100
5) Vinyl Chloride	2.947	62	840502	14.118	ppbv	97
6) Bromomethane	3.144	94	294194	13.544	ppbv	95
7) Chloroethane	3.221	64	281301	13.383	ppbv	96
8) Dichlorotetrafluoroethane	2.883	85	1944400	13.966	ppbv	98
9) Propene	2.722	41	751404	12.713	ppbv	100
10) Heptane	7.584	43	1835936	12.821	ppbv	98
11) Trichlorofluoromethane	3.584	101	2000084	14.631	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.082	101	1398443	13.834	ppbv	98
13) Ethanol	3.259	45	165070	12.459	ppbv	96
14) Bromoethene	3.388	108	581872	13.947	ppbv	95
15) Acetone	3.488	43	1523812	12.985	ppbv	100
16) 1,3-Butadiene	3.012	39	849547	14.341	ppbv	100
17) tert-Butyl alcohol	3.896	59	1354025	10.696	ppbv	99
18) 1,1-Dichloroethene	3.899	96	640776	14.216	ppbv	91
19) Isopropyl Alcohol	3.594	45	959134	12.455	ppbv	99
20) Methylene Chloride	3.951	84	532187	13.041	ppbv	99
21) Allyl Chloride	4.015	41	1011416	13.218	ppbv	99
22) trans-1,2-Dichloroethene	4.459	96	656889	14.014	ppbv	95
23) Vinyl Acetate	4.639	43	1790146	13.853	ppbv	98
24) 1,1-Dichloroethane	4.578	63	1411880	14.051	ppbv	99
25) Ethyl Acetate	5.214	43	3071051	13.111	ppbv	99
26) Hexane	5.224	57	1329723	12.721	ppbv	99
27) Carbon Disulfide	4.140	76	1698403	13.726	ppbv	99
28) Methyl tert-Butyl Ether	4.597	73	1009786	12.132	ppbv	100
29) Chloroform	5.288	83	2103783	14.589	ppbv	98
30) Cyclohexane	6.607	84	1142744	13.810	ppbv	96
31) cis-1,2-Dichloroethene	5.092	61	1384800	14.151	ppbv	100
32) 1,1,1-Trichloroethane	6.012	97	2129560	14.800	ppbv	99
34) 2-Butanone	4.800	43	1882947	14.065	ppbv	99
35) Carbon Tetrachloride	6.500	117	2209494	14.968	ppbv	97
36) Benzene	6.378	78	2823055	12.790	ppbv	99
37) 1,2-Dichloroethane	5.819	62	1683004	14.613	ppbv	100
38) Trichloroethene	7.298	130	1120719	13.625	ppbv	98
39) 1,2-Dichloropropane	7.082	63	1105656	12.998	ppbv	98
40) 1,4-Dioxane	7.288	88	403440	13.275	ppbv	99
41) Tetrahydrofuran	5.565	42	1201333	12.396	ppbv	98
42) Bromodichloromethane	7.256	83	2396659	14.510	ppbv	98
43) Methyl Methacrylate	7.481	69	1183863	13.260	ppbv	100
44) 2,2,4-Trimethylpentane	7.333	57	4710690	12.377	ppbv	99
45) t-1,3-Dichloropropene	8.713	75	898666	13.891	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	1071114	13.524	ppbv	99
47) 1,1,2-Trichloroethane	8.899	97	1177491	13.829	ppbv	96
48) Dibromochloromethane	9.713	129	2050056	15.111	ppbv	99
49) Bromoform	12.407	173	1707163	14.792	ppbv	100
50) 4-Methyl-2-Pentanone	8.182	43	3028079	12.604	ppbv	100
51) 2-Hexanone	9.549	43	2229986	12.513	ppbv	99
52) Tetrachloroethene	10.616	164	1041207	13.421	ppbv	99
53) Toluene	9.224	91	3365320	13.149	ppbv	99
54) 1,2-Dibromoethane	10.012	107	1673261	14.509	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.507	131	1475694	14.210	ppbv	94
57) Chlorobenzene	11.526	112	2512568	13.396	ppbv	99
58) Ethyl Benzene	12.085	91	4501916	12.820	ppbv	99
59) m/p-Xylene	12.372	91	7601729m	25.755	ppbv	
60) o-Xylene	13.056	91	3575183	12.922	ppbv	99
61) Styrene	12.896	104	1986499	13.592	ppbv	99
62) Isopropylbenzene	14.027	105	5372373	12.982	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.044	83	2527715	13.404	ppbv	100
64) n-propylbenzene	14.912	120	1417869	13.733	ppbv	100
65) tert-Butylbenzene	16.088	119	4693989	12.664	ppbv	99
66) Benzyl Chloride	16.323	91	427958	10.200	ppbv	100
67) sec-Butylbenzene	16.629	105	6661169	12.767	ppbv	100
69) p-Isopropyltoluene	16.992	119	5569510	12.953	ppbv	99
70) n-Butylbenzene	17.879	91	5874661	13.082	ppbv	99
71) 2-Chlorotoluene	14.796	91	4131301	13.112	ppbv	99
72) 4-Ethyltoluene	15.188	105	4349069	13.878	ppbv	100
73) 1,3,5-Trimethylbenzene	15.346	105	3747510	13.217	ppbv	100
74) 1,2,4-Trimethylbenzene	16.105	105	4088982	13.204	ppbv	93
75) 1,3-Dichlorobenzene	16.330	146	2483511	13.986	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	2487654	14.568	ppbv	98
77) 1,2-Dichlorobenzene	17.140	146	2410095	13.578	ppbv	99
78) Hexachloro-1,3-Butadiene	22.625	225	1790598	11.350	ppbv	100
79) Naphthalene	21.374	128	4562881	15.473	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	1727997	14.566	ppbv	97
81) 1,2,4-Trichlorobenzene	21.133	180	2141377	13.752	ppbv #	99

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

