

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102422\
 Data File : VL039764.D
 Acq On : 24 Oct 2022 17:48
 Operator : SY/AP
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/26/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 24 19:41:05 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M

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

QLast Update : Mon Oct 24 17:14:55 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	972608	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2594569	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2558905	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1783575 9.819 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	1039148	6.380	ppbv	98
3) Chlorodifluoromethane	2.694	51	1633433	13.181	ppbv	100
4) Chloromethane	2.832	50	1051909	13.567	ppbv	94
5) Vinyl Chloride	2.941	62	907521	14.909	ppbv	99
6) Bromomethane	3.137	94	321169	14.248	ppbv	94
7) Chloroethane	3.218	64	345261	15.305	ppbv	96
8) Dichlorotetrafluoroethane	2.877	85	1475074	9.762	ppbv	100
9) Propene	2.716	41	755186	13.346	ppbv	98
10) Heptane	7.581	43	2004786	15.268	ppbv	99
11) Trichlorofluoromethane	3.581	101	2087239	13.768	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.079	101	1607626	13.182	ppbv	99
13) Ethanol	3.259	45	54677m	14.182	ppbv	
14) Bromoethene	3.385	108	663972	14.292	ppbv	98
15) Acetone	3.485	43	1593929	13.573	ppbv	99
16) 1,3-Butadiene	3.005	39	888785	15.079	ppbv	96
17) tert-Butyl alcohol	3.893	59	1370850	13.740	ppbv	99
18) 1,1-Dichloroethene	3.896	96	737265	14.088	ppbv	99
19) Isopropyl Alcohol	3.591	45	847767	14.782	ppbv	100
20) Methylene Chloride	3.948	84	610794	12.937	ppbv	98
21) Allyl Chloride	4.012	41	1157172	14.277	ppbv	95
22) trans-1,2-Dichloroethene	4.456	96	750055	14.117	ppbv	97
23) Vinyl Acetate	4.636	43	688562	13.896	ppbv	99
24) 1,1-Dichloroethane	4.574	63	1533670	13.575	ppbv	100
25) Ethyl Acetate	5.218	43	3529973	15.004	ppbv	99
26) Hexane	5.224	57	1424355	14.865	ppbv	99
27) Carbon Disulfide	4.137	76	1843631	15.365	ppbv	98
28) Methyl tert-Butyl Ether	4.600	73	1176626	12.949	ppbv	100
29) Chloroform	5.285	83	2216604	14.431	ppbv	96
30) Cyclohexane	6.610	84	1220579	15.153	ppbv	96
31) cis-1,2-Dichloroethene	5.089	61	1393606	16.219	ppbv	95
32) 1,1,1-Trichloroethane	6.012	97	2130829	15.994	ppbv	99
34) 2-Butanone	4.796	43	1846617	15.430	ppbv	98
35) Carbon Tetrachloride	6.497	117	2302960	17.127	ppbv	99
36) Benzene	6.375	78	3060294	15.629	ppbv	98
37) 1,2-Dichloroethane	5.816	62	1654352	15.684	ppbv	100
38) Trichloroethene	7.295	130	1787390	17.018	ppbv	97
39) 1,2-Dichloropropane	7.079	63	1173835	15.627	ppbv	98
40) 1,4-Dioxane	7.295	88	363059	12.618	ppbv #	44
41) Tetrahydrofuran	5.565	42	1267115	16.514	ppbv	99
42) Bromodichloromethane	7.253	83	2417784	16.691	ppbv	98
43) Methyl Methacrylate	7.478	69	1221821	17.346	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	5096930	15.362	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	1178438	20.211	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	1595832	19.322	ppbv	98
47) 1,1,2-Trichloroethane	8.902	97	1264511	15.501	ppbv	96
48) Dibromochloromethane	9.709	129	2182592	17.736	ppbv	99
49) Bromoform	12.404	173	1840173	18.574	ppbv	98
50) 4-Methyl-2-Pentanone	8.185	43	3228361	16.545	ppbv	99
51) 2-Hexanone	9.552	43	2532724	18.109	ppbv #	99
52) Tetrachloroethene	10.616	164	1164643	16.477	ppbv	99
53) Toluene	9.221	91	3649653	17.261	ppbv	100
54) 1,2-Dibromoethane	10.005	107	1479599	18.037	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.507	131	1542149	14.849	ppbv	97
57) Chlorobenzene	11.526	112	2733392	14.560	ppbv	100
58) Ethyl Benzene	12.089	91	4739509	16.036	ppbv	99
59) m/p-Xylene	12.372	91	7946279m	30.420	ppbv	
60) o-Xylene	13.056	91	3856317	15.432	ppbv	98
61) Styrene	12.896	104	2375364	18.169	ppbv	100
62) Isopropylbenzene	14.028	105	5600286	15.047	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.044	83	1343515	14.069	ppbv	98
64) n-propylbenzene	14.915	120	1473263	15.755	ppbv	97
65) tert-Butylbenzene	16.089	119	4861018	14.908	ppbv	99
66) Benzyl Chloride	16.320	91	390716	17.149	ppbv	98
67) sec-Butylbenzene	16.632	105	6792221	15.057	ppbv	99
69) p-Isopropyltoluene	16.992	119	5593008	15.384	ppbv	99
70) n-Butylbenzene	17.883	91	5513513	15.759	ppbv	100
71) 2-Chlorotoluene	14.796	91	4056349	15.315	ppbv	98
72) 4-Ethyltoluene	15.191	105	4606941	16.519	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	4085149	15.734	ppbv	96
74) 1,2,4-Trimethylbenzene	16.105	105	4253776	14.915	ppbv	95
75) 1,3-Dichlorobenzene	16.326	146	2566016	15.023	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	2448463	14.674	ppbv	98
77) 1,2-Dichlorobenzene	17.140	146	2394815	14.426	ppbv	99
78) Hexachloro-1,3-Butadiene	22.625	225	1591728	13.270	ppbv	99
79) Naphthalene	21.374	128	3170713	18.990	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	1077861	21.616	ppbv	95
81) 1,2,4-Trichlorobenzene	21.133	180	1805364	16.138	ppbv #	100

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

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