

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102422\
 Data File : VL039785.D
 Acq On : 25 Oct 2022 9:40
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/28/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 25 15:03:45 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 20:00:55 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.202	49	991049	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2582090	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2418231	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1725780 10.032 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	1044488	10.066	ppbv	100
3) Chlorodifluoromethane	2.694	51	1151778	9.675	ppbv	99
4) Chloromethane	2.832	50	627721	8.423	ppbv	99
5) Vinyl Chloride	2.941	62	573610	9.280	ppbv	99
6) Bromomethane	3.137	94	233512	10.515	ppbv	96
7) Chloroethane	3.218	64	205800	9.271	ppbv	93
8) Dichlorotetrafluoroethane	2.877	85	1364300	10.071	ppbv	98
9) Propene	2.713	41	536857	10.496	ppbv	95
10) Heptane	7.581	43	1301332	10.627	ppbv	99
11) Trichlorofluoromethane	3.581	101	1354214	9.340	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.079	101	1031879	9.178	ppbv	98
13) Ethanol	3.263	45	27567	7.504	ppbv	98
14) Bromoethene	3.385	108	406962	9.121	ppbv	100
15) Acetone	3.485	43	1029678	8.699	ppbv	100
16) 1,3-Butadiene	3.005	39	577664	9.873	ppbv	96
17) tert-Butyl alcohol	3.893	59	952782	9.869	ppbv	96
18) 1,1-Dichloroethene	3.896	96	454908	9.194	ppbv	98
19) Isopropyl Alcohol	3.591	45	528857	9.536	ppbv	99
20) Methylene Chloride	3.948	84	373781	8.300	ppbv	95
21) Allyl Chloride	4.012	41	699382	9.129	ppbv	99
22) trans-1,2-Dichloroethene	4.459	96	445173	8.662	ppbv	94
23) Vinyl Acetate	4.639	43	247049	5.414	ppbv	97
24) 1,1-Dichloroethane	4.575	63	998310	9.394	ppbv	98
25) Ethyl Acetate	5.214	43	2596709	11.221	ppbv	99
26) Hexane	5.224	57	953721	9.911	ppbv	88
27) Carbon Disulfide	4.137	76	1057722	9.259	ppbv	98
28) Methyl tert-Butyl Ether	4.597	73	817769	9.768	ppbv	98
29) Chloroform	5.282	83	1399907	9.254	ppbv	97
30) Cyclohexane	6.607	84	780577	9.899	ppbv	96
31) cis-1,2-Dichloroethene	5.089	61	897323	9.661	ppbv	98
32) 1,1,1-Trichloroethane	6.009	97	1358736	9.896	ppbv	99
34) 2-Butanone	4.796	43	1163155	9.575	ppbv	99
35) Carbon Tetrachloride	6.497	117	1407952	9.564	ppbv	99
36) Benzene	6.375	78	1984920	9.982	ppbv	99
37) 1,2-Dichloroethane	5.816	62	1035479	9.588	ppbv	99
38) Trichloroethene	7.295	130	893614	7.960	ppbv	97
39) 1,2-Dichloropropane	7.079	63	759370	9.912	ppbv	99
40) 1,4-Dioxane	7.295	88	281146	10.767	ppbv #	100
41) Tetrahydrofuran	5.565	42	812273	10.762	ppbv	99
42) Bromodichloromethane	7.253	83	1490715	9.802	ppbv	100
43) Methyl Methacrylate	7.478	69	804324	11.615	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	3397537	10.220	ppbv	99
45) t-1,3-Dichloropropene	8.713	75	548989	9.332	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	837606	9.921	ppbv	98
47) 1,1,2-Trichloroethane	8.896	97	811018	9.888	ppbv	99
48) Dibromochloromethane	9.706	129	1303899	9.875	ppbv	100
49) Bromoform	12.401	173	1085144	10.089	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	2110252	11.072	ppbv	100
51) 2-Hexanone	9.552	43	1582218	11.340	ppbv #	99
52) Tetrachloroethene	10.613	164	720821	9.677	ppbv	96
53) Toluene	9.221	91	2283581	10.961	ppbv	100
54) 1,2-Dibromoethane	10.008	107	1019141	12.239	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.504	131	1023361	10.001	ppbv	98
57) Chlorobenzene	11.523	112	1684674	9.082	ppbv	97
58) Ethyl Benzene	12.085	91	2993847	10.867	ppbv	98
59) m/p-Xylene	12.368	91	5013705m	20.164	ppbv	
60) o-Xylene	13.056	91	2433979	10.440	ppbv	99
61) Styrene	12.896	104	1384576	11.308	ppbv	99
62) Isopropylbenzene	14.024	105	3740375	10.501	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	1396579	14.242	ppbv	100
64) n-propylbenzene	14.912	120	956243	10.602	ppbv	99
65) tert-Butylbenzene	16.085	119	3311585	10.669	ppbv	100
66) Benzyl Chloride	16.323	91	137427	6.242	ppbv	99
67) sec-Butylbenzene	16.632	105	4689762	10.727	ppbv	100
69) p-Isopropyltoluene	16.992	119	3883863	10.982	ppbv	99
70) n-Butylbenzene	17.883	91	3835734	11.342	ppbv	100
71) 2-Chlorotoluene	14.796	91	2723350	11.008	ppbv	100
72) 4-Ethyltoluene	15.191	105	2894762	10.778	ppbv	97
73) 1,3,5-Trimethylbenzene	15.349	105	2597654	10.807	ppbv	97
74) 1,2,4-Trimethylbenzene	16.105	105	2777318	10.203	ppbv	97
75) 1,3-Dichlorobenzene	16.326	146	1604531	9.712	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	1517423	9.631	ppbv	99
77) 1,2-Dichlorobenzene	17.137	146	1566489	9.943	ppbv	99
78) Hexachloro-1,3-Butadiene	22.622	225	1105717	9.210	ppbv	100
79) Naphthalene	21.371	128	1979994	11.895	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	431916	7.641	ppbv	98
81) 1,2,4-Trichlorobenzene	21.127	180	1127678	10.251	ppbv	99

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

