

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL083122\
 Data File : VL039603.D
 Acq On : 31 Aug 2022 10:15
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/01/2022
 Supervised By : Mahesh Dadoda 09/02/2022

Quant Time: Aug 31 23:43:31 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 2022

QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	1032214	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2726824	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.487	117	2670589m	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 1845602 9.160 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 91.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.758	85	1136747	8.276	ppbv	98
3) Chlorodifluoromethane	2.703	51	1244295	10.118	ppbv	96
4) Chloromethane	2.841	50	755579	10.200	ppbv	99
5) Vinyl Chloride	2.951	62	660102	11.041	ppbv	96
6) Bromomethane	3.150	94	254956	10.055	ppbv	92
7) Chloroethane	3.227	64	238538	10.650	ppbv	96
8) Dichlorotetrafluoroethane	2.886	85	1513845	10.302	ppbv	96
9) Propene	2.722	41	604366	10.740	ppbv	99
10) Heptane	7.600	43	1433309	10.999	ppbv	99
11) Trichlorofluoromethane	3.591	101	1495443	9.920	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.095	101	1155371	10.362	ppbv	97
13) Ethanol	3.275	45	29541	7.305	ppbv	96
14) Bromoethene	3.394	108	490237	10.760	ppbv	99
15) Acetone	3.494	43	1155263	9.991	ppbv	99
16) 1,3-Butadiene	3.015	39	649369	10.763	ppbv	98
17) tert-Butyl alcohol	3.902	59	1037995	10.519	ppbv	99
18) 1,1-Dichloroethene	3.909	96	511965	10.194	ppbv	93
19) Isopropyl Alcohol	3.600	45	610566	10.855	ppbv #	97
20) Methylene Chloride	3.960	84	445768	9.489	ppbv	92
21) Allyl Chloride	4.025	41	802912	10.675	ppbv	97
22) trans-1,2-Dichloroethene	4.468	96	518672	10.384	ppbv	96
23) Vinyl Acetate	4.652	43	581638	10.579	ppbv	99
24) 1,1-Dichloroethane	4.587	63	1057362	10.390	ppbv	100
25) Ethyl Acetate	5.227	43	2571658	10.395	ppbv	99
26) Hexane	5.234	57	1072787	10.624	ppbv	96
27) Carbon Disulfide	4.150	76	1254832	11.633	ppbv	100
28) Methyl tert-Butyl Ether	4.613	73	913839	10.491	ppbv	99
29) Chloroform	5.298	83	1607309	10.178	ppbv	96
30) Cyclohexane	6.623	84	896418	10.721	ppbv	95
31) cis-1,2-Dichloroethene	5.102	61	1060782	10.846	ppbv	99
32) 1,1,1-Trichloroethane	6.028	97	1539904	11.084	ppbv	99
34) 2-Butanone	4.812	43	1502151	11.081	ppbv	99
35) Carbon Tetrachloride	6.516	117	1633190	11.080	ppbv	98
36) Benzene	6.391	78	2246803	10.809	ppbv	98
37) 1,2-Dichloroethane	5.828	62	1202222	10.500	ppbv	98
38) Trichloroethene	7.311	130	1233884	11.079	ppbv	97
39) 1,2-Dichloropropane	7.092	63	861819	11.028	ppbv	93
40) 1,4-Dioxane	7.307	88	315596	10.315	ppbv	82
41) Tetrahydrofuran	5.581	42	942382	11.637	ppbv	96
42) Bromodichloromethane	7.269	83	1742827	11.124	ppbv	100
43) Methyl Methacrylate	7.497	69	889245	11.864	ppbv	98
44) 2,2,4-Trimethylpentane	7.346	57	3770918	10.762	ppbv	99
45) t-1,3-Dichloropropene	8.729	75	845522m	12.953	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	1156592	12.792	ppbv	96
47) 1,1,2-Trichloroethane	8.918	97	920656	10.315	ppbv	99
48) Dibromochloromethane	9.725	129	1541932	11.720	ppbv	99
49) Bromoform	12.423	173	1308248	12.005	ppbv	99
50) 4-Methyl-2-Pentanone	8.204	43	2388988	11.312	ppbv	99
51) 2-Hexanone	9.571	43	1849424	11.898	ppbv	100
52) Tetrachloroethene	10.632	164	874401	11.119	ppbv	96
53) Toluene	9.240	91	2670217	11.478	ppbv	99
54) 1,2-Dibromoethane	10.028	107	1116310	11.183	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.526	131	1114963	10.275	ppbv	97
57) Chlorobenzene	11.545	112	2013983	10.109	ppbv	98
58) Ethyl Benzene	12.105	91	3469835	11.309	ppbv	99
59) m/p-Xylene	12.391	91	5889952m	21.397	ppbv	
60) o-Xylene	13.076	91	2795521	10.580	ppbv	98
61) Styrene	12.918	104	1735808	12.334	ppbv	98
62) Isopropylbenzene	14.047	105	4111699	10.290	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.063	83	1169217	9.344	ppbv	99
64) n-propylbenzene	14.934	120	1067651	10.281	ppbv	94
65) tert-Butylbenzene	16.108	119	3684778	10.374	ppbv	100
66) Benzyl Chloride	16.349	91	364327	12.628	ppbv	98
67) sec-Butylbenzene	16.658	105	5164697	10.266	ppbv	99
69) p-Isopropyltoluene	17.014	119	4335872	10.383	ppbv	99
70) n-Butylbenzene	17.905	91	4323498	10.406	ppbv	99
71) 2-Chlorotoluene	14.818	91	3051614	10.545	ppbv	100
72) 4-Ethyltoluene	15.211	105	3358340	10.870	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	2970144	10.520	ppbv	99
74) 1,2,4-Trimethylbenzene	16.127	105	3233669	10.279	ppbv	99
75) 1,3-Dichlorobenzene	16.349	146	1990362	10.406	ppbv	100
76) 1,4-Dichlorobenzene	16.490	146	1906250	10.003	ppbv	100
77) 1,2-Dichlorobenzene	17.159	146	1888399	10.082	ppbv	99
78) Hexachloro-1,3-Butadiene	22.651	225	1386807	9.297	ppbv	99
79) Naphthalene	21.400	128	2826716	12.616	ppbv	99
80) Naphthalene,2-methyl-	24.390	142	1266352	13.926	ppbv	99
81) 1,2,4-Trichlorobenzene	21.156	180	1594681	10.659	ppbv	99

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

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