

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
 Data File : VL039601.D
 Acq On : 26 Aug 2022 13:13
 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 :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022

Quant Time: Aug 27 00:05:42 2022

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

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

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	5.211	49	1035595	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2739023	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.478	117	2704566	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 1946740 9.541 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	1870535	13.574	ppbv	99
3) Chlorodifluoromethane	2.700	51	1178157	9.549	ppbv	96
4) Chloromethane	2.838	50	707378	9.518	ppbv	97
5) Vinyl Chloride	2.944	62	622393	10.376	ppbv	96
6) Bromomethane	3.144	94	248037	9.751	ppbv	97
7) Chloroethane	3.221	64	221092	9.838	ppbv	94
8) Dichlorotetrafluoroethane	2.883	85	1474549	10.002	ppbv	97
9) Propene	2.719	41	553447	9.803	ppbv	99
10) Heptane	7.597	43	1381508	10.566	ppbv	99
11) Trichlorofluoromethane	3.587	101	1447432	9.570	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.089	101	1071194	9.575	ppbv	97
13) Ethanol	3.269	45	35556m	8.763	ppbv	
14) Bromoethene	3.391	108	452882	9.908	ppbv	98
15) Acetone	3.491	43	1072239	9.243	ppbv	99
16) 1,3-Butadiene	3.009	39	607872	10.042	ppbv	99
17) tert-Butyl alcohol	3.899	59	948027	9.576	ppbv	100
18) 1,1-Dichloroethene	3.902	96	489757	9.720	ppbv	97
19) Isopropyl Alcohol	3.597	45	583966	10.348	ppbv	100
20) Methylene Chloride	3.957	84	427477	9.070	ppbv	94
21) Allyl Chloride	4.018	41	780098	10.338	ppbv	99
22) trans-1,2-Dichloroethene	4.465	96	503660	10.050	ppbv	95
23) Vinyl Acetate	4.645	43	548073	9.936	ppbv #	97
24) 1,1-Dichloroethane	4.584	63	1022254	10.012	ppbv	99
25) Ethyl Acetate	5.224	43	2471735	9.958	ppbv	100
26) Hexane	5.234	57	1019005	10.058	ppbv	97
27) Carbon Disulfide	4.144	76	1163223	10.748	ppbv	98
28) Methyl tert-Butyl Ether	4.610	73	802794	9.186	ppbv	98
29) Chloroform	5.291	83	1557194	9.828	ppbv	95
30) Cyclohexane	6.619	84	832305	9.921	ppbv	93
31) cis-1,2-Dichloroethene	5.095	61	998212	10.173	ppbv	97
32) 1,1,1-Trichloroethane	6.021	97	1468287	10.534	ppbv	97
34) 2-Butanone	4.809	43	1436340	10.548	ppbv	97
35) Carbon Tetrachloride	6.510	117	1596459	10.783	ppbv	95
36) Benzene	6.388	78	2153322	10.313	ppbv	97
37) 1,2-Dichloroethane	5.825	62	1155780	10.049	ppbv	99
38) Trichloroethene	7.307	130	1197791	10.707	ppbv	98
39) 1,2-Dichloropropane	7.089	63	807059	10.281	ppbv	96
40) 1,4-Dioxane	7.304	88	307571	10.008	ppbv	86
41) Tetrahydrofuran	5.574	42	871348	10.712	ppbv	97
42) Bromodichloromethane	7.266	83	1679432	10.671	ppbv	99
43) Methyl Methacrylate	7.491	69	843452	11.203	ppbv	98
44) 2,2,4-Trimethylpentane	7.343	57	3616712	10.276	ppbv	99
45) t-1,3-Dichloropropene	8.725	75	805633	12.287	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	1102100	12.135	ppbv	98
47) 1,1,2-Trichloroethane	8.912	97	888913	9.915	ppbv	95
48) Dibromochloromethane	9.722	129	1497605	11.333	ppbv	100
49) Bromoform	12.416	173	1300215	11.878	ppbv	99
50) 4-Methyl-2-Pentanone	8.198	43	2320243	10.937	ppbv	98
51) 2-Hexanone	9.568	43	1783341	11.422	ppbv	98
52) Tetrachloroethene	10.626	164	834958	10.570	ppbv	94
53) Toluene	9.233	91	2550334	10.914	ppbv	100
54) 1,2-Dibromoethane	10.021	107	1077414	10.745	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.519	131	1100824	10.017	ppbv	95
57) Chlorobenzene	11.542	112	1979779	9.812	ppbv	98
58) Ethyl Benzene	12.101	91	3352907	10.790	ppbv	99
59) m/p-Xylene	12.384	91	5712128m	20.490	ppbv	
60) o-Xylene	13.072	91	2779865	10.389	ppbv	99
61) Styrene	12.912	104	1697605	11.911	ppbv	98
62) Isopropylbenzene	14.043	105	4058303	10.029	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	1165822	9.200	ppbv	99
64) n-propylbenzene	14.928	120	1065204	10.129	ppbv	100
65) tert-Butylbenzene	16.104	119	3613267	10.045	ppbv	99
66) Benzyl Chloride	16.342	91	340423	11.651	ppbv	99
67) sec-Butylbenzene	16.651	105	5043732	9.900	ppbv	99
69) p-Isopropyltoluene	17.008	119	4245295	10.038	ppbv	99
70) n-Butylbenzene	17.899	91	4226269	10.045	ppbv	99
71) 2-Chlorotoluene	14.815	91	3020220	10.305	ppbv	99
72) 4-Ethyltoluene	15.204	105	3268706	10.447	ppbv	100
73) 1,3,5-Trimethylbenzene	15.365	105	2967675	10.379	ppbv	98
74) 1,2,4-Trimethylbenzene	16.124	105	3167454	9.942	ppbv	95
75) 1,3-Dichlorobenzene	16.342	146	1958733	10.112	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	1897147	9.830	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	1877096	9.896	ppbv	99
78) Hexachloro-1,3-Butadiene	22.644	225	1351153	8.944	ppbv	99
79) Naphthalene	21.394	128	2736217	12.059	ppbv	99
80) Naphthalene,2-methyl-	24.387	142	1217899	13.225	ppbv	98
81) 1,2,4-Trichlorobenzene	21.152	180	1534822	10.130	ppbv	99

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

