

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012722\
 Data File : VL038297.D
 Acq On : 27 Jan 2022 14:28
 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 01/28/2022
 Supervised By : Mahesh Dadoda 01/28/2022

Quant Time: Jan 28 05:10:51 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 2

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.648	49	822579	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	7.153	114	2175991	10.000	ppbv	-0.03
55) Chlorobenzene-d5	12.056	117	2017563m	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.384 95 1550943 10.128 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	1787657	10.209	ppbv	99
3) Chlorodifluoromethane	2.983	51	1517495	9.267	ppbv	99
4) Chloromethane	3.134	50	508829	9.032	ppbv	97
5) Vinyl Chloride	3.250	62	526524	9.364	ppbv	97
6) Bromomethane	3.465	94	293702	9.662	ppbv	97
7) Chloroethane	3.549	64	175773	9.255	ppbv	100
8) Dichlorotetrafluoroethane	3.182	85	1304438	9.627	ppbv	98
9) Propene	3.005	41	496823	9.320	ppbv	98
10) Heptane	8.098	43	1306304	9.525	ppbv	99
11) Trichlorofluoromethane	3.938	101	1328822	9.741	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.468	101	977281	9.477	ppbv	99
13) Ethanol	3.597	45	47778m	8.349	ppbv	
14) Bromoethene	3.729	108	391063	9.705	ppbv	99
15) Acetone	3.838	43	648121	8.938	ppbv	100
16) 1,3-Butadiene	3.320	39	513957	9.877	ppbv	98
17) tert-Butyl alcohol	4.272	59	711672	8.942	ppbv	97
18) 1,1-Dichloroethene	4.275	96	428371	9.553	ppbv	98
19) Isopropyl Alcohol	3.951	45	367257	8.096	ppbv #	98
20) Methylene Chloride	4.330	84	356746	8.459	ppbv	99
21) Allyl Chloride	4.398	41	639638	9.970	ppbv	98
22) trans-1,2-Dichloroethene	4.870	96	455255	9.826	ppbv	94
23) Vinyl Acetate	5.053	43	1017060	9.647	ppbv	100
24) 1,1-Dichloroethane	4.996	63	905689	9.643	ppbv	100
25) Ethyl Acetate	5.658	43	2025792	9.978	ppbv	100
26) Hexane	5.668	57	928000	9.827	ppbv	100
27) Carbon Disulfide	4.536	76	1092077	9.885	ppbv	99
28) Methyl tert-Butyl Ether	5.015	73	950048	9.698	ppbv	99
29) Chloroform	5.732	83	1503374	9.753	ppbv	99
30) Cyclohexane	7.108	84	774260	9.417	ppbv	98
31) cis-1,2-Dichloroethene	5.533	61	923600	11.212	ppbv	96
32) 1,1,1-Trichloroethane	6.491	97	1488719	9.670	ppbv	99
34) 2-Butanone	5.227	43	700019	9.837	ppbv	100
35) Carbon Tetrachloride	6.996	117	1554855	10.180	ppbv	98
36) Benzene	6.870	78	1943250	10.096	ppbv	99
37) 1,2-Dichloroethane	6.285	62	1149477	10.426	ppbv	99
38) Trichloroethene	7.809	130	710101	9.904	ppbv	97
39) 1,2-Dichloropropane	7.590	63	758054	9.714	ppbv	97
40) 1,4-Dioxane	7.812	88	189409	10.085	ppbv	79
41) Tetrahydrofuran	6.028	42	496040	10.370	ppbv	99
42) Bromodichloromethane	7.767	83	1651487	10.097	ppbv	99
43) Methyl Methacrylate	7.989	69	737640	10.835	ppbv	99
44) 2,2,4-Trimethylpentane	7.848	57	3298232	9.724	ppbv	99
45) t-1,3-Dichloropropene	9.253	75	657033	11.878	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.677	75	838598	11.363	ppbv	99
47) 1,1,2-Trichloroethane	9.446	97	774150	10.096	ppbv	98
48) Dibromochloromethane	10.275	129	1332503	10.322	ppbv	99
49) Bromoform	13.011	173	960667	10.323	ppbv	99
50) 4-Methyl-2-Pentanone	8.716	43	1331972	10.493	ppbv	100
51) 2-Hexanone	10.111	43	610840	10.926	ppbv #	99
52) Tetrachloroethene	11.198	164	630966	9.512	ppbv	97
53) Toluene	9.780	91	2202110	10.336	ppbv	99
54) 1,2-Dibromoethane	10.584	107	1132962	10.393	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.095	131	857429	9.710	ppbv	95
57) Chlorobenzene	12.118	112	1560549	9.666	ppbv	99
58) Ethyl Benzene	12.680	91	2914924	9.831	ppbv	99
59) m/p-Xylene	12.966	91	4853390m	19.185	ppbv	
60) o-Xylene	13.664	91	2274178	9.666	ppbv	99
61) Styrene	13.497	104	1176034	10.710	ppbv	100
62) Isopropylbenzene	14.638	105	2989742	9.532	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.645	83	1556345	8.940	ppbv	99
64) n-propylbenzene	15.532	120	740267	9.811	ppbv	100
65) tert-Butylbenzene	16.719	119	2401030	9.294	ppbv	99
66) Benzyl Chloride	16.957	91	121095	10.319	ppbv	99
67) sec-Butylbenzene	17.265	105	3332385	9.272	ppbv	100
69) p-Isopropyltoluene	17.622	119	2603642	9.467	ppbv	99
70) n-Butylbenzene	18.519	91	2587859	9.607	ppbv	100
71) 2-Chlorotoluene	15.420	91	2253482	9.700	ppbv	98
72) 4-Ethyltoluene	15.809	105	2468545	10.033	ppbv	99
73) 1,3,5-Trimethylbenzene	15.969	105	2140871	9.675	ppbv	99
74) 1,2,4-Trimethylbenzene	16.731	105	2159669	9.264	ppbv	92
75) 1,3-Dichlorobenzene	16.966	146	1164251	9.307	ppbv	100
76) 1,4-Dichlorobenzene	17.108	146	1107017	9.141	ppbv	97
77) 1,2-Dichlorobenzene	17.786	146	1045927	9.002	ppbv	99
78) Hexachloro-1,3-Butadiene	23.345	225	696377	8.621	ppbv	99
79) Naphthalene	22.162	128	1244604	11.419	ppbv	97
80) Naphthalene,2-methyl-	24.947	142	190699	16.089	ppbv	91
81) 1,2,4-Trichlorobenzene	21.886	180	655071	10.219	ppbv	98

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

