

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041922\
 Data File : VL038955.D
 Acq On : 20 Apr 2022 9:42
 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 04/20/2022
 Supervised By : Mahesh Dadoda 04/20/2022

Quant Time: Apr 20 10:25:50 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 20 10:25:50 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.645	49	1021101	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.153	114	2888096	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.057	117	2749316m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.381 95 2110473 10.120 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.041	85	2136227	14.749	ppbv	99
3) Chlorodifluoromethane	2.977	51	1354804	10.872	ppbv	98
4) Chloromethane	3.128	50	708043	10.973	ppbv	91
5) Vinyl Chloride	3.247	62	647373	10.858	ppbv	99
6) Bromomethane	3.462	94	325889	11.297	ppbv	92
7) Chloroethane	3.542	64	227221	11.428	ppbv	100
8) Dichlorotetrafluoroethane	3.176	85	1546215	11.428	ppbv	98
9) Propene	2.999	41	676571	10.262	ppbv	99
10) Heptane	8.095	43	1646505	9.914	ppbv	98
11) Trichlorofluoromethane	3.938	101	1508519	12.962	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.468	101	1141274	12.802	ppbv	95
13) Ethanol	3.587	45	31800	7.937	ppbv #	100
14) Bromoethene	3.726	108	472458	12.050	ppbv	96
15) Acetone	3.832	43	1254759	12.343	ppbv	98
16) 1,3-Butadiene	3.314	39	631774	10.871	ppbv	99
17) tert-Butyl alcohol	4.263	59	894826	9.816	ppbv	100
18) 1,1-Dichloroethene	4.276	96	499098	12.281	ppbv	92
19) Isopropyl Alcohol	3.944	45	584869	11.257	ppbv #	100
20) Methylene Chloride	4.327	84	418758	11.358	ppbv	95
21) Allyl Chloride	4.394	41	853134	11.208	ppbv	99
22) trans-1,2-Dichloroethene	4.864	96	535789	13.022	ppbv	97
23) Vinyl Acetate	5.050	43	1264382	12.771	ppbv	99
24) 1,1-Dichloroethane	4.993	63	1050181	11.738	ppbv	99
25) Ethyl Acetate	5.655	43	2633003	10.207	ppbv	100
26) Hexane	5.665	57	1137800	9.691	ppbv	99
27) Carbon Disulfide	4.533	76	1315958	12.222	ppbv	97
28) Methyl tert-Butyl Ether	5.012	73	1018473	11.231	ppbv	98
29) Chloroform	5.732	83	1817201	11.062	ppbv	99
30) Cyclohexane	7.105	84	1021564	9.872	ppbv	99
31) cis-1,2-Dichloroethene	5.529	61	845094	7.828	ppbv	98
32) 1,1,1-Trichloroethane	6.491	97	1826303	11.034	ppbv	99
34) 2-Butanone	5.221	43	1301856	11.408	ppbv	99
35) Carbon Tetrachloride	6.992	117	1875478	10.832	ppbv	97
36) Benzene	6.867	78	2569527	9.780	ppbv	99
37) 1,2-Dichloroethane	6.282	62	1388869	11.562	ppbv	98
38) Trichloroethene	7.809	130	1021824	9.479	ppbv	96
39) 1,2-Dichloropropane	7.587	63	987828	9.830	ppbv	98
40) 1,4-Dioxane	7.806	88	193486	5.670	ppbv #	1
41) Tetrahydrofuran	6.025	42	1056927	9.751	ppbv	100
42) Bromodichloromethane	7.767	83	2075691	10.942	ppbv	97
43) Methyl Methacrylate	7.986	69	1074501	10.678	ppbv	99
44) 2,2,4-Trimethylpentane	7.841	57	4265645	9.590	ppbv	99
45) t-1,3-Dichloropropene	9.250	75	1115023	10.597	ppbv	98

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 20 13:55:52 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.677	75	1407224	10.144	ppbv	99
47) 1,1,2-Trichloroethane	9.449	97	1043678	10.136	ppbv	97
48) Dibromochloromethane	10.278	129	1737266	10.764	ppbv	99
49) Bromoform	13.008	173	1362016	10.655	ppbv	99
50) 4-Methyl-2-Pentanone	8.713	43	2637051	10.273	ppbv	99
51) 2-Hexanone	10.102	43	2069647	10.700	ppbv #	97
52) Tetrachloroethene	11.192	164	479294	5.223	ppbv	98
53) Toluene	9.777	91	2960195	9.760	ppbv	99
54) 1,2-Dibromoethane	10.578	107	1489142	10.411	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.092	131	1198736	9.949	ppbv	96
57) Chlorobenzene	12.118	112	2083874	9.255	ppbv	99
58) Ethyl Benzene	12.680	91	3973242	9.671	ppbv	93
59) m/p-Xylene	12.963	91	3849166	11.152	ppbv #	57
60) o-Xylene	13.661	91	3110203	9.630	ppbv	95
61) Styrene	13.497	104	1895791	9.635	ppbv	98
62) Isopropylbenzene	14.638	105	4566805	9.421	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.645	83	1986168	9.710	ppbv	100
64) n-propylbenzene	15.529	120	1172589	9.316	ppbv	84
65) tert-Butylbenzene	16.716	119	3929075	9.135	ppbv	95
66) Benzyl Chloride	16.957	91	603044	6.887	ppbv	95
67) sec-Butylbenzene	17.262	105	5705683	9.454	ppbv	98
69) p-Isopropyltoluene	17.622	119	4679918	9.444	ppbv	98
70) n-Butylbenzene	18.516	91	5114012	10.244	ppbv	98
71) 2-Chlorotoluene	15.423	91	3559862	9.766	ppbv	96
72) 4-Ethyltoluene	15.809	105	3858300	10.004	ppbv	97
73) 1,3,5-Trimethylbenzene	15.966	105	3380570	9.758	ppbv	97
74) 1,2,4-Trimethylbenzene	16.732	105	3571459	9.752	ppbv	98
75) 1,3-Dichlorobenzene	16.963	146	2033778	9.564	ppbv	99
76) 1,4-Dichlorobenzene	17.105	146	1965827	9.385	ppbv	100
77) 1,2-Dichlorobenzene	17.783	146	1966615	9.382	ppbv	98
78) Hexachloro-1,3-Butadiene	23.345	225	1406541	8.493	ppbv	98
79) Naphthalene	22.153	128	2777423	10.138	ppbv	99
80) Naphthalene,2-methyl-	24.944	142	601979	8.917	ppbv	98
81) 1,2,4-Trichlorobenzene	21.886	180	1542707	9.622	ppbv	98

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

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