

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072522\
 Data File : VL039519.D
 Acq On : 25 Jul 2022 12:28
 Operator : SY/AP
 Sample : VISTCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/26/2022
 Supervised By : Mahesh Dadoda 07/26/2022

Quant Time: Jul 26 08:05:00 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 6 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.677	49	1048980	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.182	114	2913606	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.092	117	2864493m	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.420 95 2145018 10.094 ppbv 0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.054	85	1186748	7.843	ppbv	96
3) Chlorodifluoromethane	2.996	51	1301833	9.782	ppbv	99
4) Chloromethane	3.147	50	723041	9.934	ppbv	99
5) Vinyl Chloride	3.263	62	673639	9.386	ppbv	94
6) Bromomethane	3.481	94	311814	10.323	ppbv	95
7) Chloroethane	3.565	64	261700	10.251	ppbv	98
8) Dichlorotetrafluoroethane	3.192	85	1619170	9.796	ppbv	97
9) Propene	3.015	41	546410	9.091	ppbv	99
10) Heptane	8.131	43	1474370	10.474	ppbv	99
11) Trichlorofluoromethane	3.957	101	1732872	10.278	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.491	101	1277782	10.166	ppbv	99
13) Ethanol	3.603	45	41783m	11.983	ppbv	
14) Bromoethene	3.745	108	532550	10.078	ppbv	98
15) Acetone	3.851	43	1301784	10.490	ppbv	100
16) 1,3-Butadiene	3.333	39	659195	10.237	ppbv	99
17) tert-Butyl alcohol	4.288	59	1210702	11.494	ppbv	99
18) 1,1-Dichloroethene	4.295	96	590595	10.372	ppbv	100
19) Isopropyl Alcohol	3.963	45	706340	10.670	ppbv	99
20) Methylene Chloride	4.353	84	492439	9.955	ppbv	99
21) Allyl Chloride	4.417	41	893547	10.396	ppbv	100
22) trans-1,2-Dichloroethene	4.893	96	569092	10.325	ppbv	94
23) Vinyl Acetate	5.076	43	990896	11.948	ppbv	98
24) 1,1-Dichloroethane	5.018	63	1335317	11.400	ppbv	98
25) Ethyl Acetate	5.680	43	2696573	10.597	ppbv	100
26) Hexane	5.693	57	1159952	11.308	ppbv	99
27) Carbon Disulfide	4.555	76	1408650	11.378	ppbv	100
28) Methyl tert-Butyl Ether	5.037	73	1279573	11.667	ppbv	96
29) Chloroform	5.758	83	1882960	10.557	ppbv	98
30) Cyclohexane	7.137	84	984735	10.545	ppbv	99
31) cis-1,2-Dichloroethene	5.555	61	1146528	10.534	ppbv	100
32) 1,1,1-Trichloroethane	6.520	97	1904572	10.818	ppbv	98
34) 2-Butanone	5.246	43	1583411	10.796	ppbv	99
35) Carbon Tetrachloride	7.028	117	2021605	11.229	ppbv	97
36) Benzene	6.899	78	2389446	10.596	ppbv	96
37) 1,2-Dichloroethane	6.311	62	1458236	10.956	ppbv	99
38) Trichloroethene	7.841	130	1277594	10.475	ppbv	98
39) 1,2-Dichloropropane	7.619	63	891855	10.587	ppbv	94
40) 1,4-Dioxane	7.835	88	359491	10.709	ppbv	98
41) Tetrahydrofuran	6.053	42	884087	10.402	ppbv	98
42) Bromodichloromethane	7.796	83	2012821	11.216	ppbv	99
43) Methyl Methacrylate	8.018	69	965350	11.259	ppbv	99
44) 2,2,4-Trimethylpentane	7.877	57	3981095	10.418	ppbv	99
45) t-1,3-Dichloropropene	9.285	75	1028964	13.478	ppbv	97

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 27 08:05:00 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.706	75	1312541	12.491	ppbv	98
47) 1,1,2-Trichloroethane	9.481	97	1016663	10.756	ppbv	99
48) Dibromochloromethane	10.314	129	1823139	12.135	ppbv	100
49) Bromoform	13.047	173	1539465	12.702	ppbv	99
50) 4-Methyl-2-Pentanone	8.745	43	2498091	11.264	ppbv	99
51) 2-Hexanone	10.134	43	1918063	11.434	ppbv #	99
52) Tetrachloroethene	11.230	164	920453	10.140	ppbv	96
53) Toluene	9.812	91	2896929	11.137	ppbv	99
54) 1,2-Dibromoethane	10.616	107	1338704	11.382	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.134	131	1326003	10.479	ppbv	96
57) Chlorobenzene	12.153	112	2263680	10.193	ppbv	98
58) Ethyl Benzene	12.716	91	3900652	10.546	ppbv	100
59) m/p-Xylene	13.002	91	6829543m	20.944	ppbv	
60) o-Xylene	13.696	91	3250643	10.527	ppbv	99
61) Styrene	13.532	104	1953849	11.681	ppbv	99
62) Isopropylbenzene	14.674	105	4876120	10.370	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.683	83	1512286	9.344	ppbv	99
64) n-propylbenzene	15.568	120	1273272	10.683	ppbv	100
65) tert-Butylbenzene	16.751	119	4493036	10.340	ppbv	100
66) Benzyl Chloride	16.992	91	577970	13.997	ppbv	99
67) sec-Butylbenzene	17.297	105	6147952	10.504	ppbv	100
69) p-Isopropyltoluene	17.657	119	5323005	10.719	ppbv	100
70) n-Butylbenzene	18.555	91	5213969	10.817	ppbv	100
71) 2-Chlorotoluene	15.458	91	3554842	10.563	ppbv	100
72) 4-Ethyltoluene	15.841	105	4027644	11.094	ppbv	99
73) 1,3,5-Trimethylbenzene	16.002	105	3636607	10.907	ppbv	100
74) 1,2,4-Trimethylbenzene	16.767	105	3946694	10.700	ppbv	98
75) 1,3-Dichlorobenzene	16.998	146	2365328	10.750	ppbv	100
76) 1,4-Dichlorobenzene	17.143	146	2306764	10.578	ppbv	98
77) 1,2-Dichlorobenzene	17.818	146	2299282	10.542	ppbv	99
78) Hexachloro-1,3-Butadiene	23.378	225	1642950	9.367	ppbv	100
79) Naphthalene	22.198	128	3266796	12.869	ppbv	98
80) Naphthalene,2-methyl-	24.969	142	1229380	14.229	ppbv	98
81) 1,2,4-Trichlorobenzene	21.927	180	1829646	11.066	ppbv	100

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

