

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122921\
 Data File : VL038251.D
 Acq On : 30 Dec 2021 8:24
 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 01/02/2022
 Supervised By : Mahesh Dadoda 01/02/2022

Quant Time: Dec 31 05:41:29 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL122121AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Dec 31 05:41:29 2021

QLast Update : Tue Dec 21 17:47:08 2021

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	669307	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	1720278	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	1590192m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.413 95 1299335 10.603 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	1051802	8.340	ppbv	96
3) Chlorodifluoromethane	2.999	51	1257216	8.939	ppbv	98
4) Chloromethane	3.150	50	428486	8.786	ppbv	97
5) Vinyl Chloride	3.266	62	433550	8.845	ppbv	100
6) Bromomethane	3.481	94	257901	10.326	ppbv	97
7) Chloroethane	3.568	64	152901	9.263	ppbv	97
8) Dichlorotetrafluoroethane	3.198	85	1063590	8.886	ppbv	93
9) Propene	3.022	41	412148	8.440	ppbv	99
10) Heptane	8.124	43	1060111	8.558	ppbv	97
11) Trichlorofluoromethane	3.957	101	1108311	9.569	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.491	101	807105	9.226	ppbv	95
13) Ethanol	3.613	45	47061	5.684	ppbv #	100
14) Bromoethene	3.745	108	326130	9.357	ppbv	99
15) Acetone	3.854	43	584669	8.704	ppbv	96
16) 1,3-Butadiene	3.337	39	434245	9.490	ppbv	97
17) tert-Butyl alcohol	4.292	59	682076	9.245	ppbv	99
18) 1,1-Dichloroethene	4.295	96	352543	9.202	ppbv	96
19) Isopropyl Alcohol	3.970	45	364770	8.706	ppbv #	37
20) Methylene Chloride	4.350	84	293715	7.745	ppbv	96
21) Allyl Chloride	4.417	41	538640	9.479	ppbv	98
22) trans-1,2-Dichloroethene	4.890	96	374733	9.586	ppbv	97
23) Vinyl Acetate	5.076	43	859610	9.451	ppbv	99
24) 1,1-Dichloroethane	5.018	63	744048	9.148	ppbv	99
25) Ethyl Acetate	5.681	43	1670215	9.178	ppbv	99
26) Hexane	5.690	57	741873	8.125	ppbv	93
27) Carbon Disulfide	4.559	76	969270	12.059	ppbv	98
28) Methyl tert-Butyl Ether	5.038	73	776398	8.462	ppbv	98
29) Chloroform	5.755	83	1233239	9.102	ppbv	97
30) Cyclohexane	7.134	84	623482	7.710	ppbv	87
31) cis-1,2-Dichloroethene	5.552	61	758969	10.599	ppbv	92
32) 1,1,1-Trichloroethane	6.513	97	1222225	9.092	ppbv	97
34) 2-Butanone	5.247	43	582439	11.264	ppbv	99
35) Carbon Tetrachloride	7.021	117	1304135	12.282	ppbv	98
36) Benzene	6.893	78	1544864	9.628	ppbv	98
37) 1,2-Dichloroethane	6.308	62	935211	11.615	ppbv #	96
38) Trichloroethene	7.835	130	557332	9.127	ppbv	94
39) 1,2-Dichloropropane	7.613	63	605393	9.803	ppbv	94
40) 1,4-Dioxane	7.835	88	148049	8.241	ppbv	91
41) Tetrahydrofuran	6.054	42	389992	10.298	ppbv	96
42) Bromodichloromethane	7.793	83	1360676	11.877	ppbv	100
43) Methyl Methacrylate	8.015	69	578521	10.476	ppbv	91
44) 2,2,4-Trimethylpentane	7.870	57	2648194	9.715	ppbv	96
45) t-1,3-Dichloropropene	9.279	75	552143	13.510	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.703	75	689450	12.187	ppbv	92
47) 1,1,2-Trichloroethane	9.478	97	590436	9.212	ppbv	96
48) Dibromochloromethane	10.304	129	1060277	11.763	ppbv	99
49) Bromoform	13.037	173	771555	12.048	ppbv	99
50) 4-Methyl-2-Pentanone	8.745	43	1145377	12.184	ppbv	96
51) 2-Hexanone	10.137	43	538025	11.957	ppbv #	93
52) Tetrachloroethene	11.224	164	478972	8.087	ppbv	90
53) Toluene	9.806	91	1699026	9.176	ppbv	97
54) 1,2-Dibromoethane	10.610	107	862111	9.482	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.124	131	662677	10.019	ppbv #	54
57) Chlorobenzene	12.150	112	1137215	8.246	ppbv	94
58) Ethyl Benzene	12.709	91	2196593	8.901	ppbv	98
59) m/p-Xylene	12.995	91	3755080m	17.800	ppbv	
60) o-Xylene	13.693	91	1732613	8.858	ppbv	95
61) Styrene	13.529	104	862738	8.708	ppbv	94
62) Isopropylbenzene	14.667	105	2264750	8.247	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.677	83	1232483	8.194	ppbv	99
64) n-propylbenzene	15.558	120	558517	8.181	ppbv	85
65) tert-Butylbenzene	16.745	119	1970879	8.154	ppbv	93
66) Benzyl Chloride	16.982	91	141847	15.745	ppbv	95
67) sec-Butylbenzene	17.291	105	2798573	8.426	ppbv	99
69) p-Isopropyltoluene	17.651	119	2290132	8.573	ppbv	97
70) n-Butylbenzene	18.548	91	2492978	9.816	ppbv	98
71) 2-Chlorotoluene	15.452	91	1737786	8.502	ppbv	96
72) 4-Ethyltoluene	15.835	105	1927658	8.558	ppbv	97
73) 1,3,5-Trimethylbenzene	15.995	105	1748905	8.676	ppbv	98
74) 1,2,4-Trimethylbenzene	16.761	105	1853857	8.757	ppbv	94
75) 1,3-Dichlorobenzene	16.992	146	1044186	9.131	ppbv	99
76) 1,4-Dichlorobenzene	17.137	146	1012345	8.922	ppbv	99
77) 1,2-Dichlorobenzene	17.815	146	1022954	9.343	ppbv	99
78) Hexachloro-1,3-Butadiene	23.371	225	787922	11.662	ppbv	99
79) Naphthalene	22.191	128	1571284	14.367	ppbv	99
80) Naphthalene,2-methyl-	24.973	142	248724	11.462	ppbv	96
81) 1,2,4-Trichlorobenzene	21.928	180	815170	13.034	ppbv	98

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

