

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110221\
 Data File : VL037974.D
 Acq On : 2 Nov 2021 19:36
 Operator : SY/AP
 Sample : VL1102ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1102ABS02

Quant Time: Nov 03 03:50:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 03 03:50:42 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/05/2021
 Supervised By : Mahesh Dadoda 11/09/2021

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

Internal Standards						
1) Bromochloromethane	5.655	49	1374619	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.160	114	4102829	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.066	117	3654135m	10.000	ppbv	-0.01

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 14.394 95 2767019 10.417 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.200%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.047	85	1795343	9.270	ppbv	98
3) Chlorodifluoromethane	2.986	51	2466018	9.637	ppbv	100
4) Chloromethane	3.137	50	932654	9.590	ppbv	98
5) Vinyl Chloride	3.253	62	938973	10.018	ppbv	97
6) Bromomethane	3.468	94	522233	10.314	ppbv	96
7) Chloroethane	3.555	64	326846	9.660	ppbv	99
8) Dichlorotetrafluoroethane	3.186	85	2133867	9.565	ppbv	100
9) Propene	3.009	41	891215	9.714	ppbv	97
10) Heptane	8.108	43	2213597	10.370	ppbv	99
11) Trichlorofluoromethane	3.944	101	1918343	9.947	ppbv	98
12) 1,1,2-Trichlorotrifluoro...	4.475	101	1471113	9.786	ppbv	100
13) Ethanol	3.597	45	104661m	11.307	ppbv	
14) Bromoethene	3.735	108	672320	10.223	ppbv	99
15) Acetone	3.841	43	1104270	9.722	ppbv	99
16) 1,3-Butadiene	3.324	39	895225	10.002	ppbv	98
17) tert-Butyl alcohol	4.276	59	1238586	10.487	ppbv	99
18) 1,1-Dichloroethene	4.285	96	677240	9.788	ppbv	99
19) Isopropyl Alcohol	3.957	45	757080	10.423	ppbv #	94
20) Methylene Chloride	4.337	84	575291	9.225	ppbv	96
21) Allyl Chloride	4.404	41	1063610	10.148	ppbv	99
22) trans-1,2-Dichloroethene	4.877	96	690507	10.043	ppbv	95
23) Vinyl Acetate	5.060	43	1765354	10.322	ppbv	98
24) 1,1-Dichloroethane	5.002	63	1358044	9.611	ppbv	99
25) Ethyl Acetate	5.661	43	3513244	10.413	ppbv	100
26) Hexane	5.674	57	1647820	10.309	ppbv	99
27) Carbon Disulfide	4.542	76	1615925	10.240	ppbv	96
28) Methyl tert-Butyl Ether	5.025	73	1335269	9.936	ppbv	100
29) Chloroform	5.738	83	2272487	9.533	ppbv	98
30) Cyclohexane	7.115	84	1343248	9.830	ppbv	99
31) cis-1,2-Dichloroethene	5.536	61	1479109	10.142	ppbv	99
32) 1,1,1-Trichloroethane	6.497	97	2168463	9.255	ppbv	99
34) 2-Butanone	5.234	43	1529207	10.059	ppbv	99
35) Carbon Tetrachloride	7.002	117	2216258	8.935	ppbv	98
36) Benzene	6.877	78	3359063	10.053	ppbv	98
37) 1,2-Dichloroethane	6.292	62	1605516	10.107	ppbv	99
38) Trichloroethene	7.819	130	1304036	9.403	ppbv	96
39) 1,2-Dichloropropane	7.597	63	1267569	10.083	ppbv	98
40) 1,4-Dioxane	7.816	88	316659	9.564	ppbv	96
41) Tetrahydrofuran	6.034	42	789473	10.613	ppbv	99
42) Bromodichloromethane	7.777	83	2367901	9.860	ppbv	99
43) Methyl Methacrylate	7.999	69	1201692	10.957	ppbv	99
44) 2,2,4-Trimethylpentane	7.854	57	5664082	9.967	ppbv	100
45) t-1,3-Dichloropropene	9.259	75	930946	11.553	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.684	75	1260781	11.380	ppbv	99
47) 1,1,2-Trichloroethane	9.459	97	1326179	9.389	ppbv	98
48) Dibromochloromethane	10.285	129	2017874	10.090	ppbv	98
49) Bromoform	13.021	173	1518007	9.603	ppbv	98
50) 4-Methyl-2-Pentanone	8.726	43	2163679	10.832	ppbv	100
51) 2-Hexanone	10.118	43	947689	11.257	ppbv	99
52) Tetrachloroethene	11.204	164	1170017	9.231	ppbv	96
53) Toluene	9.787	91	3789006	10.578	ppbv	100
54) 1,2-Dibromoethane	10.590	107	1824500	10.015	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.105	131	1367111	9.267	ppbv #	60
57) Chlorobenzene	12.131	112	2728712	9.356	ppbv	99
58) Ethyl Benzene	12.690	91	4650337	10.406	ppbv	98
59) m/p-Xylene	12.973	91	7851826m	19.769	ppbv	
60) o-Xylene	13.674	91	3629826	9.693	ppbv	100
61) Styrene	13.510	104	1970069	11.455	ppbv	99
62) Isopropylbenzene	14.648	105	4957426	9.349	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.655	83	2514629	7.802	ppbv	98
64) n-propylbenzene	15.545	120	1329735	9.787	ppbv	98
65) tert-Butylbenzene	16.725	119	4319386	9.217	ppbv	99
66) Benzyl Chloride	16.970	91	212923	8.696	ppbv	96
67) sec-Butylbenzene	17.272	105	5995135	9.286	ppbv	100
69) p-Isopropyltoluene	17.632	119	5015102	9.684	ppbv	100
70) n-Butylbenzene	18.526	91	4939555	10.380	ppbv	100
71) 2-Chlorotoluene	15.433	91	3583460	9.646	ppbv	99
72) 4-Ethyltoluene	15.818	105	4185447	9.756	ppbv	100
73) 1,3,5-Trimethylbenzene	15.979	105	3825206	9.521	ppbv	95
74) 1,2,4-Trimethylbenzene	16.741	105	3981978	9.461	ppbv	96
75) 1,3-Dichlorobenzene	16.976	146	2460466	9.389	ppbv	99
76) 1,4-Dichlorobenzene	17.114	146	2343947	9.243	ppbv	99
77) 1,2-Dichlorobenzene	17.796	146	2391707	9.720	ppbv	99
78) Hexachloro-1,3-Butadiene	23.355	225	2097197	9.957	ppbv	99
79) Naphthalene	22.169	128	3825618	15.776	ppbv	99
80) Naphthalene,2-methyl-	24.953	142	806944	17.094	ppbv	98
81) 1,2,4-Trichlorobenzene	21.899	180	2100961	13.311	ppbv	98

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

