

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090821\
 Data File : VL037565.D
 Acq On : 8 Sep 2021 10:19
 Operator : SY/AP
 Sample : VL0908ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:52:09 AM

Quant Time: Sep 09 09:10:44 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021

QLast Update : Tue Aug 17 02:13:47 2021

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	1813846	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.182	114	5235204	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.092	117	4825352m	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.420 95 3608195 10.525 ppbv 0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.050	85	2244350	7.712	ppbv	95
3) Chlorodifluoromethane	2.992	51	3142729	9.048	ppbv	100
4) Chloromethane	3.144	50	1185119	9.548	ppbv	93
5) Vinyl Chloride	3.259	62	1166739	9.175	ppbv	96
6) Bromomethane	3.478	94	672917	9.661	ppbv	98
7) Chloroethane	3.562	64	396583	9.138	ppbv	94
8) Dichlorotetrafluoroethane	3.192	85	2683645	8.932	ppbv	99
9) Propene	3.015	41	1143151	9.199	ppbv	100
10) Heptane	8.127	43	2901822	10.144	ppbv	99
11) Trichlorofluoromethane	3.954	101	2496496	9.138	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.488	101	1805653	9.007	ppbv	99
13) Ethanol	3.613	45	120996	10.006	ppbv	82
14) Bromoethene	3.745	108	806366	8.860	ppbv	94
15) Acetone	3.854	43	1453491	7.874	ppbv	99
16) 1,3-Butadiene	3.333	39	1158233	9.781	ppbv	96
17) tert-Butyl alcohol	4.288	59	1619801	9.606	ppbv	100
18) 1,1-Dichloroethene	4.291	96	836727	9.189	ppbv	96
19) Isopropyl Alcohol	3.967	45	1012305	9.572	ppbv #	96
20) Methylene Chloride	4.346	84	726628	7.862	ppbv	98
21) Allyl Chloride	4.417	41	1340993	8.944	ppbv	95
22) trans-1,2-Dichloroethene	4.889	96	853253	9.392	ppbv	96
23) Vinyl Acetate	5.076	43	2792907	10.264	ppbv	99
24) 1,1-Dichloroethane	5.018	63	1817761	9.211	ppbv	99
25) Ethyl Acetate	5.684	43	4458028	9.513	ppbv	99
26) Hexane	5.693	57	2123061	9.266	ppbv	99
27) Carbon Disulfide	4.555	76	2027182	9.928	ppbv	99
28) Methyl tert-Butyl Ether	5.037	73	2027699	9.214	ppbv	99
29) Chloroform	5.758	83	3036647	9.352	ppbv	98
30) Cyclohexane	7.137	84	1799473	9.426	ppbv	99
31) cis-1,2-Dichloroethene	5.555	61	1953308	9.419	ppbv	99
32) 1,1,1-Trichloroethane	6.520	97	2883942	9.039	ppbv	99
34) 2-Butanone	5.246	43	1973403	9.231	ppbv	97
35) Carbon Tetrachloride	7.024	117	3010095	9.729	ppbv	97
36) Benzene	6.896	78	4388910	9.973	ppbv	97
37) 1,2-Dichloroethane	6.311	62	2112576	9.691	ppbv	99
38) Trichloroethene	7.841	130	1762411	9.760	ppbv	95
39) 1,2-Dichloropropane	7.619	63	1684272	9.960	ppbv	98
40) 1,4-Dioxane	7.838	88	433984	10.475	ppbv #	100
41) Tetrahydrofuran	6.057	42	1067973	10.370	ppbv	97
42) Bromodichloromethane	7.796	83	3188266	10.002	ppbv	95
43) Methyl Methacrylate	8.018	69	1582262	10.315	ppbv	99
44) 2,2,4-Trimethylpentane	7.877	57	7265985	9.810	ppbv	99
45) t-1,3-Dichloropropene	9.282	75	1391510	12.051	ppbv	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.709	75	1805712	11.210	ppbv	99
47) 1,1,2-Trichloroethane	9.478	97	1794544	9.821	ppbv	98
48) Dibromochloromethane	10.310	129	2754288	10.474	ppbv	100
49) Bromoform	13.047	173	2201430	10.621	ppbv	100
50) 4-Methyl-2-Pentanone	8.748	43	2928027	10.499	ppbv	99
51) 2-Hexanone	10.137	43	1386929	10.811	ppbv #	97
52) Tetrachloroethene	11.230	164	1605030	8.900	ppbv	98
53) Toluene	9.812	91	5052864	10.055	ppbv	100
54) 1,2-Dibromoethane	10.616	107	2523969	9.894	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.134	131	1903955	9.469	ppbv	98
57) Chlorobenzene	12.150	112	3687709	9.209	ppbv	97
58) Ethyl Benzene	12.716	91	6437806	9.614	ppbv	99
59) m/p-Xylene	13.002	91	10704185m	18.439	ppbv	
60) o-Xylene	13.699	91	4913839	9.069	ppbv	99
61) Styrene	13.532	104	2869349	10.194	ppbv	99
62) Isopropylbenzene	14.670	105	6891600	9.012	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.680	83	3576765	8.882	ppbv	98
64) n-propylbenzene	15.564	120	1844512	9.478	ppbv	97
65) tert-Butylbenzene	16.748	119	6028506	8.656	ppbv	99
66) Benzyl Chloride	16.995	91	404869	12.851	ppbv	96
67) sec-Butylbenzene	17.294	105	8310556	8.540	ppbv	99
69) p-Isopropyltoluene	17.654	119	6963481	8.782	ppbv	99
70) n-Butylbenzene	18.551	91	6800773	8.974	ppbv	100
71) 2-Chlorotoluene	15.458	91	5061136	9.025	ppbv	99
72) 4-Ethyltoluene	15.841	105	5832002	9.049	ppbv	99
73) 1,3,5-Trimethylbenzene	16.002	105	5266532	8.779	ppbv	98
74) 1,2,4-Trimethylbenzene	16.767	105	5521408	8.661	ppbv	94
75) 1,3-Dichlorobenzene	17.002	146	3367908	8.777	ppbv	98
76) 1,4-Dichlorobenzene	17.140	146	3224175	8.341	ppbv	97
77) 1,2-Dichlorobenzene	17.818	146	3235670	8.563	ppbv	100
78) Hexachloro-1,3-Butadiene	23.377	225	2747191	8.745	ppbv	99
79) Naphthalene	22.194	128	5112771	11.985	ppbv	99
80) Naphthalene,2-methyl-	24.969	142	1709497	14.384	ppbv	96
81) 1,2,4-Trichlorobenzene	21.927	180	2837537	10.600	ppbv	100

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

