

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022222\
 Data File : VL038385.D
 Acq On : 22 Feb 2022 11:45
 Operator : SY/AP
 Sample : VL02222ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL02222ABS02

Quant Time: Feb 22 19:58:28 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:58:28 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/23/2022
 Supervised By : Amit Patel 02/23/2022

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

Internal Standards						
1) Bromochloromethane	5.652	49	898769	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.153	114	2257978	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.063	117	2163168m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.388 95 1721997 9.621 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	1267796	8.906	ppbv	96
3) Chlorodifluoromethane	2.983	51	1555412	9.801	ppbv	99
4) Chloromethane	3.134	50	534746	9.697	ppbv	96
5) Vinyl Chloride	3.250	62	553455	9.601	ppbv	100
6) Bromomethane	3.465	94	291516	9.587	ppbv	96
7) Chloroethane	3.549	64	185947	10.043	ppbv	96
8) Dichlorotetrafluoroethane	3.182	85	1324120	10.000	ppbv	98
9) Propene	3.002	41	530148	10.117	ppbv	99
10) Heptane	8.102	43	1326519	10.399	ppbv	99
11) Trichlorofluoromethane	3.941	101	1313572	9.638	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.472	101	913912	9.146	ppbv	97
13) Ethanol	3.597	45	50178m	9.595	ppbv	
14) Bromoethene	3.732	108	406955	10.223	ppbv	100
15) Acetone	3.838	43	654675	8.566	ppbv	99
16) 1,3-Butadiene	3.320	39	516017	10.107	ppbv	95
17) tert-Butyl alcohol	4.275	59	788540	10.341	ppbv	100
18) 1,1-Dichloroethene	4.279	96	399977	9.117	ppbv	93
19) Isopropyl Alcohol	3.951	45	446709	10.093	ppbv	99
20) Methylene Chloride	4.333	84	331107	8.743	ppbv	98
21) Allyl Chloride	4.401	41	622245	9.639	ppbv	99
22) trans-1,2-Dichloroethene	4.870	96	430889	9.735	ppbv	97
23) Vinyl Acetate	5.057	43	1014190	10.013	ppbv	99
24) 1,1-Dichloroethane	4.996	63	851090	9.346	ppbv	99
25) Ethyl Acetate	5.661	43	2101478	10.234	ppbv	100
26) Hexane	5.671	57	929463	9.995	ppbv	99
27) Carbon Disulfide	4.536	76	1036960	10.025	ppbv	99
28) Methyl tert-Butyl Ether	5.018	73	912400	9.633	ppbv	99
29) Chloroform	5.735	83	1555971	10.252	ppbv	99
30) Cyclohexane	7.111	84	827540	10.881	ppbv	94
31) cis-1,2-Dichloroethene	5.533	61	993820	11.031	ppbv	97
32) 1,1,1-Trichloroethane	6.494	97	1535686	10.061	ppbv	99
34) 2-Butanone	5.227	43	894054	12.590	ppbv	98
35) Carbon Tetrachloride	6.999	117	1595424	10.048	ppbv	99
36) Benzene	6.873	78	2028099	10.203	ppbv	97
37) 1,2-Dichloroethane	6.288	62	1147437	9.989	ppbv	99
38) Trichloroethene	7.815	130	745973	10.303	ppbv	96
39) 1,2-Dichloropropane	7.594	63	787925	9.952	ppbv	97
40) 1,4-Dioxane	7.812	88	200655	10.685	ppbv	81
41) Tetrahydrofuran	6.034	42	513113	10.694	ppbv	97
42) Bromodichloromethane	7.770	83	1714079	10.334	ppbv	99
43) Methyl Methacrylate	7.992	69	764181	11.059	ppbv	98
44) 2,2,4-Trimethylpentane	7.851	57	3361948	9.840	ppbv	100
45) t-1,3-Dichloropropene	9.256	75	692325	12.536	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.680	75	843222	11.650	ppbv	99
47) 1,1,2-Trichloroethane	9.455	97	806072	10.233	ppbv	98
48) Dibromochloromethane	10.282	129	1386159	10.762	ppbv	98
49) Bromoform	13.018	173	1073828	11.295	ppbv	99
50) 4-Methyl-2-Pentanone	8.722	43	1368970	10.903	ppbv	98
51) 2-Hexanone	10.114	43	622387	11.072	ppbv #	96
52) Tetrachloroethene	11.198	164	660439	10.008	ppbv	98
53) Toluene	9.780	91	2295303	10.635	ppbv	100
54) 1,2-Dibromoethane	10.587	107	1193191	10.761	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.101	131	881104	9.772	ppbv	96
57) Chlorobenzene	12.124	112	1583340	9.487	ppbv	99
58) Ethyl Benzene	12.687	91	3013814	10.189	ppbv	99
59) m/p-Xylene	12.973	91	5103323m	20.089	ppbv	
60) o-Xylene	13.667	91	2369777	9.868	ppbv	98
61) Styrene	13.507	104	1215265	10.972	ppbv	98
62) Isopropylbenzene	14.645	105	3213956	9.971	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.654	83	1753703	8.988	ppbv	99
64) n-propylbenzene	15.539	120	830942	10.412	ppbv	96
65) tert-Butylbenzene	16.719	119	2834145	10.152	ppbv	99
66) Benzyl Chloride	16.963	91	193947	12.857	ppbv	96
67) sec-Butylbenzene	17.272	105	3985846	10.077	ppbv	100
69) p-Isopropyltoluene	17.629	119	3270476	10.526	ppbv	100
70) n-Butylbenzene	18.526	91	3440957	10.702	ppbv	100
71) 2-Chlorotoluene	15.429	91	2515500	10.150	ppbv	99
72) 4-Ethyltoluene	15.815	105	2785479	10.527	ppbv	99
73) 1,3,5-Trimethylbenzene	15.973	105	2516109	10.471	ppbv	100
74) 1,2,4-Trimethylbenzene	16.738	105	2633581	10.381	ppbv	99
75) 1,3-Dichlorobenzene	16.969	146	1488953	10.479	ppbv	99
76) 1,4-Dichlorobenzene	17.114	146	1425616	10.174	ppbv	99
77) 1,2-Dichlorobenzene	17.796	146	1420228	10.384	ppbv	99
78) Hexachloro-1,3-Butadiene	23.352	225	965146	9.252	ppbv	99
79) Naphthalene	22.165	128	1855637	13.500	ppbv	99
80) Naphthalene,2-methyl-	24.950	142	516061	19.211	ppbv	96
81) 1,2,4-Trichlorobenzene	21.895	180	1022070	12.298	ppbv	99

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

