

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022222\
 Data File : VL038384.D
 Acq On : 22 Feb 2022 10:44
 Operator : SY/AP
 Sample : VL0222ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0222ABS01

Quant Time: Feb 22 19:55:51 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 19:55:51 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	5.648	49	958072	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.153	114	2354810	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.060	117	2341147m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.388 95 1886751 9.740 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.041	85	1377901	9.080	ppbv	100
3) Chlorodifluoromethane	2.983	51	1550547	9.165	ppbv	100
4) Chloromethane	3.134	50	536291	9.123	ppbv	98
5) Vinyl Chloride	3.250	62	551236	8.970	ppbv	99
6) Bromomethane	3.462	94	291319	8.987	ppbv	97
7) Chloroethane	3.549	64	194183	9.838	ppbv	97
8) Dichlorotetrafluoroethane	3.179	85	1308019	9.267	ppbv	98
9) Propene	3.002	41	509674	9.124	ppbv	98
10) Heptane	8.098	43	1321105	9.716	ppbv	99
11) Trichlorofluoromethane	3.938	101	1333296	9.177	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.472	101	924462	8.679	ppbv	97
13) Ethanol	3.600	45	47141m	8.456	ppbv	
14) Bromoethene	3.729	108	391202	9.219	ppbv	98
15) Acetone	3.838	43	627667	7.704	ppbv	97
16) 1,3-Butadiene	3.317	39	529129	9.723	ppbv	99
17) tert-Butyl alcohol	4.275	59	825942	10.161	ppbv	99
18) 1,1-Dichloroethene	4.275	96	420076	8.983	ppbv	98
19) Isopropyl Alcohol	3.951	45	445607	9.445	ppbv	99
20) Methylene Chloride	4.330	84	334569	8.288	ppbv	98
21) Allyl Chloride	4.398	41	607880	8.834	ppbv	98
22) trans-1,2-Dichloroethene	4.870	96	440147	9.328	ppbv	94
23) Vinyl Acetate	5.057	43	933360	8.644	ppbv	99
24) 1,1-Dichloroethane	4.992	63	857343	8.832	ppbv	99
25) Ethyl Acetate	5.661	43	2088370	9.541	ppbv	100
26) Hexane	5.668	57	931156	9.394	ppbv	99
27) Carbon Disulfide	4.536	76	1068162	9.688	ppbv	100
28) Methyl tert-Butyl Ether	5.015	73	915757	9.070	ppbv	98
29) Chloroform	5.735	83	1557399	9.626	ppbv	100
30) Cyclohexane	7.111	84	819061	10.103	ppbv	95
31) cis-1,2-Dichloroethene	5.533	61	955922	9.954	ppbv	99
32) 1,1,1-Trichloroethane	6.491	97	1543833	9.489	ppbv	99
34) 2-Butanone	5.227	43	903603	12.201	ppbv	98
35) Carbon Tetrachloride	6.996	117	1608467	9.714	ppbv	99
36) Benzene	6.870	78	1998643	9.641	ppbv	98
37) 1,2-Dichloroethane	6.285	62	1161818	9.698	ppbv	100
38) Trichloroethene	7.812	130	728535	9.648	ppbv	93
39) 1,2-Dichloropropane	7.590	63	787933	9.542	ppbv	97
40) 1,4-Dioxane	7.809	88	185717	9.483	ppbv	97
41) Tetrahydrofuran	6.034	42	496773	9.928	ppbv	98
42) Bromodichloromethane	7.770	83	1706579	9.866	ppbv	98
43) Methyl Methacrylate	7.992	69	747399	10.371	ppbv	98
44) 2,2,4-Trimethylpentane	7.848	57	3346295	9.391	ppbv	99
45) t-1,3-Dichloropropene	9.253	75	568536	9.871	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.677	75	720589	9.546	ppbv	99
47) 1,1,2-Trichloroethane	9.452	97	797836	9.712	ppbv	96
48) Dibromochloromethane	10.278	129	1371416	10.210	ppbv	99
49) Bromoform	13.011	173	1045239	10.542	ppbv	100
50) 4-Methyl-2-Pentanone	8.719	43	1370762	10.469	ppbv	99
51) 2-Hexanone	10.111	43	611160	10.425	ppbv #	99
52) Tetrachloroethene	11.195	164	651537	9.468	ppbv	96
53) Toluene	9.780	91	2257819	10.031	ppbv	100
54) 1,2-Dibromoethane	10.584	107	1163070	10.058	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.098	131	878501	9.003	ppbv	98
57) Chlorobenzene	12.121	112	1572720	8.707	ppbv	99
58) Ethyl Benzene	12.683	91	2958205	9.240	ppbv	99
59) m/p-Xylene	12.966	91	5072535m	18.449	ppbv	
60) o-Xylene	13.664	91	2359997	9.080	ppbv	99
61) Styrene	13.500	104	1214608	10.132	ppbv	99
62) Isopropylbenzene	14.642	105	3208135	9.197	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.648	83	1771066	8.387	ppbv	99
64) n-propylbenzene	15.535	120	817207	9.462	ppbv	95
65) tert-Butylbenzene	16.715	119	2840281	9.400	ppbv	99
66) Benzyl Chloride	16.960	91	143851	8.811	ppbv #	98
67) sec-Butylbenzene	17.265	105	3995621	9.334	ppbv	100
69) p-Isopropyltoluene	17.625	119	3302767	9.822	ppbv	100
70) n-Butylbenzene	18.522	91	3495616	10.045	ppbv	100
71) 2-Chlorotoluene	15.423	91	2508033	9.350	ppbv	99
72) 4-Ethyltoluene	15.812	105	2784799	9.725	ppbv	99
73) 1,3,5-Trimethylbenzene	15.969	105	2506071	9.636	ppbv	99
74) 1,2,4-Trimethylbenzene	16.735	105	2632043	9.586	ppbv	98
75) 1,3-Dichlorobenzene	16.969	146	1445500	9.400	ppbv	99
76) 1,4-Dichlorobenzene	17.108	146	1402230	9.247	ppbv	100
77) 1,2-Dichlorobenzene	17.789	146	1392565	9.407	ppbv	100
78) Hexachloro-1,3-Butadiene	23.349	225	1041829	9.228	ppbv	99
79) Naphthalene	22.159	128	1935778	13.012	ppbv	99
80) Naphthalene,2-methyl-	24.950	142	399010	13.724	ppbv	96
81) 1,2,4-Trichlorobenzene	21.889	180	1075296	11.955	ppbv	99

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

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