

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022422\
 Data File : VL038433.D
 Acq On : 24 Feb 2022 13:16
 Operator : SY/AP
 Sample : VL0224ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0224ABS01

Quant Time: Feb 25 00:43:31 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 19:45:51 2022

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

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/26/2022
 Supervised By : Mahesh Dadoda 02/28/2022

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

Internal Standards						
1) Bromochloromethane	5.639	49	852837	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.140	114	2082812	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.044	117	2047236	10.000	ppbv	#-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.375 95 1615721 9.538 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.031	85	1191512	8.821	ppbv	97
3) Chlorodifluoromethane	2.973	51	1491050	9.901	ppbv	99
4) Chloromethane	3.124	50	507276	9.694	ppbv	100
5) Vinyl Chloride	3.240	62	507999	9.287	ppbv	100
6) Bromomethane	3.452	94	292320	10.131	ppbv	94
7) Chloroethane	3.536	64	179806	10.234	ppbv	94
8) Dichlorotetrafluoroethane	3.173	85	1270358	10.110	ppbv	99
9) Propene	2.993	41	481676	9.687	ppbv	98
10) Heptane	8.086	43	1258223	10.395	ppbv	100
11) Trichlorofluoromethane	3.928	101	1295108	10.014	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.459	101	932830	9.838	ppbv	99
13) Ethanol	3.594	45	38483	7.755	ppbv	92
14) Bromoethene	3.719	108	385396	10.203	ppbv	98
15) Acetone	3.825	43	619954	8.548	ppbv	99
16) 1,3-Butadiene	3.308	39	504482	10.414	ppbv	98
17) tert-Butyl alcohol	4.259	59	796883	11.013	ppbv	99
18) 1,1-Dichloroethene	4.266	96	412717	9.914	ppbv	99
19) Isopropyl Alcohol	3.944	45	398200	9.482	ppbv	99
20) Methylene Chloride	4.321	84	328446	9.140	ppbv	96
21) Allyl Chloride	4.388	41	610320	9.963	ppbv	98
22) trans-1,2-Dichloroethene	4.857	96	434135	10.336	ppbv	94
23) Vinyl Acetate	5.044	43	967853	10.070	ppbv	99
24) 1,1-Dichloroethane	4.983	63	859453	9.946	ppbv	99
25) Ethyl Acetate	5.645	43	1900272	9.752	ppbv	100
26) Hexane	5.658	57	878351	9.954	ppbv	99
27) Carbon Disulfide	4.523	76	1035478	10.550	ppbv	99
28) Methyl tert-Butyl Ether	5.005	73	895774	9.967	ppbv	99
29) Chloroform	5.719	83	1472391	10.224	ppbv	99
30) Cyclohexane	7.095	84	763570	10.581	ppbv	97
31) cis-1,2-Dichloroethene	5.520	61	866556	10.137	ppbv	97
32) 1,1,1-Trichloroethane	6.478	97	1473133	10.171	ppbv	99
34) 2-Butanone	5.214	43	666272	10.171	ppbv	98
35) Carbon Tetrachloride	6.983	117	1528160	10.434	ppbv	98
36) Benzene	6.857	78	1857668	10.131	ppbv	98
37) 1,2-Dichloroethane	6.275	62	1111480	10.490	ppbv	100
38) Trichloroethene	7.799	130	656220	9.826	ppbv	97
39) 1,2-Dichloropropane	7.578	63	727992	9.968	ppbv	96
40) 1,4-Dioxane	7.806	88	126119m	7.280	ppbv	
41) Tetrahydrofuran	6.018	42	463926	10.482	ppbv	99
42) Bromodichloromethane	7.754	83	1575733	10.299	ppbv	99
43) Methyl Methacrylate	7.980	69	689061	10.810	ppbv	100
44) 2,2,4-Trimethylpentane	7.835	57	3179930	10.090	ppbv	99
45) t-1,3-Dichloropropene	9.240	75	556463	10.923	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.664	75	711124	10.651	ppbv	96
47) 1,1,2-Trichloroethane	9.433	97	732265	10.078	ppbv	96
48) Dibromochloromethane	10.262	129	1213511	10.214	ppbv	99
49) Bromoform	12.999	173	826932	9.429	ppbv	100
50) 4-Methyl-2-Pentanone	8.703	43	1273736	10.998	ppbv	100
51) 2-Hexanone	10.098	43	541158	10.437	ppbv #	99
52) Tetrachloroethene	11.182	164	555536	9.127	ppbv	96
53) Toluene	9.767	91	2043791	10.266	ppbv	100
54) 1,2-Dibromoethane	10.571	107	1041653	10.184	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.085	131	788332	9.238	ppbv	99
57) Chlorobenzene	12.105	112	1390041	8.800	ppbv	97
58) Ethyl Benzene	12.667	91	2640324	9.431	ppbv	99
59) m/p-Xylene	12.954	91	4418155m	18.376	ppbv	
60) o-Xylene	13.651	91	2050142	9.020	ppbv	100
61) Styrene	13.487	104	992593	9.469	ppbv	98
62) Isopropylbenzene	14.626	105	2680434	8.787	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.635	83	1344092	7.279	ppbv	98
64) n-propylbenzene	15.523	120	645973	8.553	ppbv	89
65) tert-Butylbenzene	16.703	119	2147971	8.130	ppbv	99
66) Benzyl Chloride	16.944	91	99040m	6.937	ppbv	
67) sec-Butylbenzene	17.252	105	2999944	8.014	ppbv	98
69) p-Isopropyltoluene	17.609	119	2378680	8.089	ppbv	99
70) n-Butylbenzene	18.506	91	2552879	8.389	ppbv	99
71) 2-Chlorotoluene	15.410	91	1893369	8.072	ppbv	99
72) 4-Ethyltoluene	15.796	105	2143847	8.561	ppbv	99
73) 1,3,5-Trimethylbenzene	15.957	105	1839678	8.090	ppbv	100
74) 1,2,4-Trimethylbenzene	16.722	105	1970443	8.207	ppbv	97
75) 1,3-Dichlorobenzene	16.953	146	1017048	7.563	ppbv	99
76) 1,4-Dichlorobenzene	17.095	146	982212	7.407	ppbv	99
77) 1,2-Dichlorobenzene	17.773	146	970480	7.497	ppbv	99
78) Hexachloro-1,3-Butadiene	23.333	225	799836	8.102	ppbv	99
79) Naphthalene	22.140	128	1509860	11.606	ppbv	99
80) Naphthalene,2-methyl-	24.937	142	253121	9.956	ppbv	94
81) 1,2,4-Trichlorobenzene	21.873	180	800712	10.180	ppbv	98

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

