

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040522\
 Data File : VL038819.D
 Acq On : 5 Apr 2022 20:22
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL040522

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/07/2022
 Supervised By : Mahesh Dadoda 04/07/2022

Quant Time: Apr 05 21:02:49 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 05 2022

QLast Update : Tue Apr 05 20:28:48 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.665	49	1429136	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.173	114	3912074	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	3448712m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.404 95 2742937 10.485 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.051	85	1945679	9.598	ppbv	99
3) Chlorodifluoromethane	2.993	51	1649341	9.456	ppbv	99
4) Chloromethane	3.144	50	849372	10.185	ppbv	95
5) Vinyl Chloride	3.260	62	795750	9.536	ppbv	97
6) Bromomethane	3.475	94	376959	9.337	ppbv	97
7) Chloroethane	3.559	64	266878	9.590	ppbv	99
8) Dichlorotetrafluoroethane	3.189	85	1806395	9.539	ppbv	98
9) Propene	3.012	41	881585	9.553	ppbv	97
10) Heptane	8.118	43	2221758	10.202	ppbv	100
11) Trichlorofluoromethane	3.951	101	1574835	9.668	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.485	101	1197016	9.593	ppbv	99
13) Ethanol	3.600	45	44926m	8.011	ppbv	
14) Bromoethene	3.742	108	513021	9.349	ppbv	99
15) Acetone	3.848	43	1273412	8.950	ppbv	99
16) 1,3-Butadiene	3.327	39	791332	9.729	ppbv	99
17) tert-Butyl alcohol	4.282	59	1280171	10.033	ppbv	99
18) 1,1-Dichloroethene	4.292	96	538598	9.469	ppbv	99
19) Isopropyl Alcohol	3.964	45	698235	9.602	ppbv #	100
20) Methylene Chloride	4.343	84	442585	8.577	ppbv	99
21) Allyl Chloride	4.411	41	982393	9.221	ppbv	99
22) trans-1,2-Dichloroethene	4.883	96	567547	9.855	ppbv	94
23) Vinyl Acetate	5.070	43	1389743	10.030	ppbv	98
24) 1,1-Dichloroethane	5.012	63	1191607	9.516	ppbv	100
25) Ethyl Acetate	5.671	43	3527768	9.772	ppbv	100
26) Hexane	5.684	57	1571155	9.561	ppbv	97
27) Carbon Disulfide	4.549	76	1532928	10.172	ppbv	97
28) Methyl tert-Butyl Ether	5.031	73	1209361	9.529	ppbv	100
29) Chloroform	5.751	83	2249627	9.784	ppbv	96
30) Cyclohexane	7.128	84	1350705	9.326	ppbv	99
31) cis-1,2-Dichloroethene	5.549	61	1482900	9.814	ppbv	99
32) 1,1,1-Trichloroethane	6.507	97	2243653	9.685	ppbv	99
34) 2-Butanone	5.240	43	1523310	9.854	ppbv	99
35) Carbon Tetrachloride	7.015	117	2292786	9.776	ppbv	98
36) Benzene	6.886	78	3311271	9.304	ppbv	98
37) 1,2-Dichloroethane	6.304	62	1631539	10.027	ppbv	99
38) Trichloroethene	7.832	130	1304861	8.936	ppbv	98
39) 1,2-Dichloropropane	7.607	63	1318068	9.683	ppbv	99
40) 1,4-Dioxane	7.828	88	398348m	8.618	ppbv	
41) Tetrahydrofuran	6.044	42	1429106	9.734	ppbv	98
42) Bromodichloromethane	7.787	83	2539995	9.885	ppbv	99
43) Methyl Methacrylate	8.009	69	1381077	10.132	ppbv	100
44) 2,2,4-Trimethylpentane	7.867	57	5526794	9.173	ppbv	99
45) t-1,3-Dichloropropene	9.272	75	1500990	10.531	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.697	75	1880173	10.006	ppbv	100
47) 1,1,2-Trichloroethane	9.471	97	1342107	9.622	ppbv	97
48) Dibromochloromethane	10.298	129	2164435	9.901	ppbv	97
49) Bromoform	13.034	173	1710777	9.881	ppbv	99
50) 4-Methyl-2-Pentanone	8.732	43	3431037	9.868	ppbv	98
51) 2-Hexanone	10.124	43	2706337	10.330	ppbv	100
52) Tetrachloroethene	11.214	164	1109043	8.921	ppbv	98
53) Toluene	9.799	91	3869379	9.418	ppbv	100
54) 1,2-Dibromoethane	10.603	107	1900053	9.807	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.118	131	1503829	9.950	ppbv	98
57) Chlorobenzene	12.140	112	2754014	9.750	ppbv	98
58) Ethyl Benzene	12.700	91	5095084	9.887	ppbv	98
59) m/p-Xylene	12.989	91	8365045m	19.321	ppbv	
60) o-Xylene	13.687	91	3934349	9.711	ppbv	98
61) Styrene	13.520	104	2506638	10.156	ppbv	99
62) Isopropylbenzene	14.661	105	5800100	9.538	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.667	83	2499445	9.741	ppbv	99
64) n-propylbenzene	15.552	120	1571640	9.954	ppbv	96
65) tert-Butylbenzene	16.735	119	5020424	9.306	ppbv	99
66) Benzyl Chloride	16.976	91	1047741	9.539	ppbv	99
67) sec-Butylbenzene	17.285	105	7204970	9.517	ppbv	100
69) p-Isopropyltoluene	17.642	119	6022526	9.689	ppbv	100
70) n-Butylbenzene	18.535	91	6329287	10.107	ppbv	99
71) 2-Chlorotoluene	15.442	91	4464543	9.764	ppbv	99
72) 4-Ethyltoluene	15.828	105	4886752	10.102	ppbv	99
73) 1,3,5-Trimethylbenzene	15.986	105	4318175	9.937	ppbv	97
74) 1,2,4-Trimethylbenzene	16.754	105	4452662	9.692	ppbv	97
75) 1,3-Dichlorobenzene	16.986	146	2601039	9.751	ppbv	99
76) 1,4-Dichlorobenzene	17.127	146	2562668	9.753	ppbv	99
77) 1,2-Dichlorobenzene	17.806	146	2586972	9.839	ppbv	99
78) Hexachloro-1,3-Butadiene	23.362	225	1781095	8.573	ppbv	99
79) Naphthalene	22.178	128	3669892	10.679	ppbv	99
80) Naphthalene,2-methyl-	24.960	142	987990	11.667	ppbv	94
81) 1,2,4-Trichlorobenzene	21.912	180	1995231	9.921	ppbv	98

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

