

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041322\
 Data File : VL038913.D
 Acq On : 14 Apr 2022 8:45
 Operator : SY/AP
 Sample : VL0413ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0413ABS02

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/14/2022
 Supervised By : Mahesh Dadoda 04/18/2022

Quant Time: Apr 14 09:22:30 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 6 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.681	49	1158274	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.189	114	2879134	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.098	117	2585615m	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.426 95 2321726 11.838 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 118.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.060	85	1481451	9.017	ppbv	97
3) Chlorodifluoromethane	2.999	51	1316634	9.314	ppbv #	91
4) Chloromethane	3.153	50	632636	8.643	ppbv	94
5) Vinyl Chloride	3.272	62	648277	9.585	ppbv	97
6) Bromomethane	3.488	94	330296	10.094	ppbv	95
7) Chloroethane	3.571	64	212815	9.436	ppbv	100
8) Dichlorotetrafluoroethane	3.198	85	1613640	10.514	ppbv	90
9) Propene	3.025	41	531173	7.102	ppbv	94
10) Heptane	8.137	43	1402976	7.447	ppbv	97
11) Trichlorofluoromethane	3.964	101	1514720	11.473	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.497	101	1070293	10.584	ppbv	91
13) Ethanol	3.613	45	41681m	9.171	ppbv	
14) Bromoethene	3.755	108	459947	10.342	ppbv	96
15) Acetone	3.861	43	1068851	9.269	ppbv	97
16) 1,3-Butadiene	3.340	39	590806	8.962	ppbv	95
17) tert-Butyl alcohol	4.295	59	840664	8.130	ppbv	99
18) 1,1-Dichloroethene	4.304	96	466941	10.129	ppbv	92
19) Isopropyl Alcohol	3.973	45	552516	9.374	ppbv #	100
20) Methylene Chloride	4.356	84	387866	9.274	ppbv	94
21) Allyl Chloride	4.423	41	756220	8.758	ppbv	94
22) trans-1,2-Dichloroethene	4.899	96	495992	10.627	ppbv	95
23) Vinyl Acetate	5.086	43	1053536	9.381	ppbv	99
24) 1,1-Dichloroethane	5.021	63	970997	9.568	ppbv	100
25) Ethyl Acetate	5.690	43	2475970	8.462	ppbv	99
26) Hexane	5.700	57	1075182	8.073	ppbv	99
27) Carbon Disulfide	4.565	76	1233080	10.096	ppbv	99
28) Methyl tert-Butyl Ether	5.044	73	883214	8.586	ppbv	100
29) Chloroform	5.764	83	1825980	9.799	ppbv	99
30) Cyclohexane	7.144	84	871596	7.425	ppbv	98
31) cis-1,2-Dichloroethene	5.562	61	1142933	9.333	ppbv	95
32) 1,1,1-Trichloroethane	6.526	97	1830722	9.751	ppbv	98
34) 2-Butanone	5.253	43	1296162	11.393	ppbv	97
35) Carbon Tetrachloride	7.031	117	1916314	11.102	ppbv	98
36) Benzene	6.906	78	2168562	8.279	ppbv	97
37) 1,2-Dichloroethane	6.317	62	1507901	12.592	ppbv #	94
38) Trichloroethene	7.848	130	882638	8.213	ppbv	92
39) 1,2-Dichloropropane	7.626	63	856836	8.553	ppbv	92
40) 1,4-Dioxane	7.841	88	295302	8.681	ppbv #	1
41) Tetrahydrofuran	6.060	42	866503	8.019	ppbv	97
42) Bromodichloromethane	7.806	83	2082072	11.010	ppbv	98
43) Methyl Methacrylate	8.021	69	931886	9.289	ppbv	97
44) 2,2,4-Trimethylpentane	7.883	57	3764081	8.488	ppbv	98
45) t-1,3-Dichloropropene	9.288	75	1097081	10.459	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041322\
 Data File : VL038913.D
 Acq On : 14 Apr 2022 8:45
 Operator : SY/AP
 Sample : VL0413ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0413ABS02

Quant Time: Apr 14 09:22:30 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 6 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/14/2022
 Supervised By : Mahesh Dadoda 04/18/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.713	75	1314036	9.502	ppbv	94
47) 1,1,2-Trichloroethane	9.484	97	885832	8.629	ppbv	97
48) Dibromochloromethane	10.317	129	1619202	10.064	ppbv	98
49) Bromoform	13.053	173	1282766	10.067	ppbv	98
50) 4-Methyl-2-Pentanone	8.751	43	2320840	9.069	ppbv	100
51) 2-Hexanone	10.143	43	1849053	9.590	ppbv #	96
52) Tetrachloroethene	11.237	164	748598	8.182	ppbv	97
53) Toluene	9.819	91	2496441	8.257	ppbv	98
54) 1,2-Dibromoethane	10.623	107	1303806	9.144	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.140	131	1090422	9.623	ppbv #	92
57) Chlorobenzene	12.159	112	1804760	8.523	ppbv	94
58) Ethyl Benzene	12.722	91	3479274	9.005	ppbv	94
59) m/p-Xylene	13.008	91	6034415m	18.590	ppbv	
60) o-Xylene	13.706	91	2824708	9.300	ppbv	95
61) Styrene	13.542	104	1628914	8.803	ppbv	94
62) Isopropylbenzene	14.680	105	4060143	8.906	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.690	83	1758897	9.143	ppbv	100
64) n-propylbenzene	15.574	120	1024256	8.653	ppbv	76
65) tert-Butylbenzene	16.757	119	3566781	8.818	ppbv	91
66) Benzyl Chloride	17.002	91	664966	8.075	ppbv	95
67) sec-Butylbenzene	17.307	105	5174115	9.116	ppbv	97
69) p-Isopropyltoluene	17.664	119	4276462	9.176	ppbv	96
70) n-Butylbenzene	18.561	91	4686680	9.982	ppbv	97
71) 2-Chlorotoluene	15.465	91	3220567	9.395	ppbv	94
72) 4-Ethyltoluene	15.854	105	3399966	9.374	ppbv	96
73) 1,3,5-Trimethylbenzene	16.011	105	3042753	9.339	ppbv	93
74) 1,2,4-Trimethylbenzene	16.777	105	3283652	9.534	ppbv	96
75) 1,3-Dichlorobenzene	17.011	146	1841556	9.209	ppbv	99
76) 1,4-Dichlorobenzene	17.150	146	1795078	9.113	ppbv	99
77) 1,2-Dichlorobenzene	17.828	146	1799823	9.130	ppbv	99
78) Hexachloro-1,3-Butadiene	23.384	225	1290653	8.286	ppbv	99
79) Naphthalene	22.207	128	2599827	10.091	ppbv	99
80) Naphthalene,2-methyl-	24.979	142	675401	10.638	ppbv	95
81) 1,2,4-Trichlorobenzene	21.940	180	1446736	9.595	ppbv	97

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

