

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038920.D
 Acq On : 14 Apr 2022 16:14
 Operator : SY/AP
 Sample : VL0414ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0414ABS01

Manual Integrations
 APPROVED

Quant Time: Apr 15 09:21:52 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

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

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 04/15/2022
 Supervised By : Mahesh Dadoda 04/18/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1103532	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.20	114	2615853	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	2330285m	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2175585	12.31	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	123.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	2327853	14.872	ppbv 96
3) Chlorodifluoromethane	3.01	51	1359795	10.097	ppbv # 90
4) Chloromethane	3.16	50	649757	9.317	ppbv 96
5) Vinyl Chloride	3.28	62	628137	9.748	ppbv 99
6) Bromomethane	3.49	94	343126	11.006	ppbv 97
7) Chloroethane	3.57	64	213961	9.957	ppbv 98
8) Dichlorotetrafluoroethane	3.20	85	1586543	10.850	ppbv 95
9) Propene	3.02	41	556379	7.808	ppbv 100
10) Heptane	8.14	43	1431389	7.975	ppbv 97
11) Trichlorofluoromethane	3.97	101	1593479	12.669	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1046760	10.864	ppbv 92
13) Ethanol	3.62	45	39913m	9.217	ppbv
14) Bromoethene	3.76	108	471526	11.128	ppbv 96
15) Acetone	3.87	43	1094882	9.966	ppbv 96
16) 1,3-Butadiene	3.34	39	626561	9.976	ppbv 100
17) tert-Butyl alcohol	4.30	59	740346	7.515	ppbv 98
18) 1,1-Dichloroethene	4.31	96	468558	10.668	ppbv 99
19) Isopropyl Alcohol	3.98	45	500109	8.906	ppbv # 100
20) Methylene Chloride	4.37	84	380647	9.553	ppbv 93
21) Allyl Chloride	4.43	41	720205	8.755	ppbv 92
22) trans-1,2-Dichloroethene	4.91	96	473624	10.651	ppbv 97
23) Vinyl Acetate	5.09	43	1364465	12.753	ppbv # 99
24) 1,1-Dichloroethane	5.03	63	1133528	11.724	ppbv 100
25) Ethyl Acetate	5.70	43	2499451	8.966	ppbv 99
26) Hexane	5.71	57	1081704	8.525	ppbv 98
27) Carbon Disulfide	4.57	76	1171873	10.071	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	1165588	11.894	ppbv 96
29) Chloroform	5.77	83	1846304	10.400	ppbv 99
30) Cyclohexane	7.15	84	884307	7.907	ppbv 98
31) cis-1,2-Dichloroethene	5.57	61	1158629	9.931	ppbv 92
32) 1,1,1-Trichloroethane	6.53	97	1897699	10.609	ppbv 97
34) 2-Butanone	5.26	43	1509730	14.606	ppbv 96
35) Carbon Tetrachloride	7.04	117	1961728	12.509	ppbv 98
36) Benzene	6.91	78	2185669	9.185	ppbv # 94
37) 1,2-Dichloroethane	6.33	62	1572360	14.452	ppbv # 93
38) Trichloroethene	7.86	130	911989	9.340	ppbv 95
39) 1,2-Dichloropropane	7.64	63	870231	9.561	ppbv # 87
40) 1,4-Dioxane	7.85	88	306568	9.919	ppbv # 3
41) Tetrahydrofuran	6.07	42	899822	9.166	ppbv 100
42) Bromodichloromethane	7.81	83	2053412	11.952	ppbv 100
43) Methyl Methacrylate	8.03	69	938454	10.297	ppbv 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3803762	9.441	ppbv	97
45) t-1,3-Dichloropropene	9.30	75	1110234	11.650	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1329796	10.583	ppbv	94
47) 1,1,2-Trichloroethane	9.50	97	902322	9.675	ppbv	98
48) Dibromochloromethane	10.33	129	1670015	11.425	ppbv	99
49) Bromoform	13.06	173	1390921	12.014	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2391702	10.287	ppbv	99
51) 2-Hexanone	10.15	43	1893049	10.806	ppbv #	95
52) Tetrachloroethene	11.24	164	772526	9.294	ppbv	97
53) Toluene	9.83	91	2556800	9.307	ppbv	98
54) 1,2-Dibromoethane	10.63	107	1343980	10.374	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1131737	11.082	ppbv	92
57) Chlorobenzene	12.17	112	1866294	9.779	ppbv	96
58) Ethyl Benzene	12.73	91	3552278	10.202	ppbv	93
59) m/p-Xylene	13.01	91	6228119m	21.289	ppbv	
60) o-Xylene	13.71	91	2955735	10.797	ppbv	93
61) Styrene	13.55	104	1686287	10.111	ppbv	94
62) Isopropylbenzene	14.69	105	4253699	10.353	ppbv	95
63) 1,1,2,2-Tetrachloroethane	13.70	83	1804141	10.406	ppbv	100
64) n-propylbenzene	15.58	120	1067378	10.005	ppbv	82
65) tert-Butylbenzene	16.76	119	3703529	10.160	ppbv	89
66) Benzyl Chloride	17.01	91	730718	9.846	ppbv #	92
67) sec-Butylbenzene	17.31	105	5340497	10.440	ppbv	96
69) p-Isopropyltoluene	17.67	119	4424237	10.533	ppbv	95
70) n-Butylbenzene	18.57	91	4809142	11.366	ppbv	97
71) 2-Chlorotoluene	15.47	91	3386176	10.960	ppbv	93
72) 4-Ethyltoluene	15.86	105	3532568	10.807	ppbv	96
73) 1,3,5-Trimethylbenzene	16.02	105	3176615	10.818	ppbv	95
74) 1,2,4-Trimethylbenzene	16.78	105	3386635	10.910	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	1886676	10.468	ppbv	97
76) 1,4-Dichlorobenzene	17.16	146	1866166	10.511	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	1859390	10.466	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1354423	9.649	ppbv	99
79) Naphthalene	22.22	128	2570537	11.070	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	541048	9.456	ppbv	95
81) 1,2,4-Trichlorobenzene	21.95	180	1471011	10.825	ppbv	97

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

