

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101221\
 Data File : VL037830.D
 Acq On : 12 Oct 2021 14:22
 Operator : SY/AP
 Sample : VL1012ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL1012ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/14/2021
 Supervised By : Mahesh Dadoda 10/15/2021

Quant Time: Oct 14 01:17:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1396960	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4131840	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3677187m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2664256	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1664277	7.459 ppbv	99
3) Chlorodifluoromethane	2.99	51	2440316	9.092 ppbv	99
4) Chloromethane	3.14	50	902848	9.183 ppbv	92
5) Vinyl Chloride	3.26	62	936554	10.392 ppbv	99
6) Bromomethane	3.47	94	473720	9.717 ppbv	99
7) Chloroethane	3.55	64	330472	9.973 ppbv #	88
8) Dichlorotetrafluoroethane	3.19	85	2096445	9.506 ppbv	99
9) Propene	3.01	41	868849	8.797 ppbv	99
10) Heptane	8.11	43	2224665	9.918 ppbv	99
11) Trichlorofluoromethane	3.95	101	1920136	9.645 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1426341	9.456 ppbv	100
13) Ethanol	3.61	45	74690	9.247 ppbv	93
14) Bromoethene	3.74	108	662176	9.984 ppbv	95
15) Acetone	3.85	43	1079923	8.611 ppbv	99
16) 1,3-Butadiene	3.32	39	885487	9.705 ppbv	99
17) tert-Butyl alcohol	4.28	59	1269820	9.832 ppbv	98
18) 1,1-Dichloroethene	4.29	96	658582	9.607 ppbv	96
19) Isopropyl Alcohol	3.96	45	709224	9.091 ppbv #	95
20) Methylene Chloride	4.34	84	559074	8.823 ppbv	98
21) Allyl Chloride	4.40	41	1026262	9.238 ppbv	96
22) trans-1,2-Dichloroethene	4.88	96	672129	9.753 ppbv	99
23) Vinyl Acetate	5.07	43	2113686	11.247 ppbv	98
24) 1,1-Dichloroethane	5.01	63	1407655	10.290 ppbv	99
25) Ethyl Acetate	5.67	43	3498142	9.941 ppbv	99
26) Hexane	5.68	57	1633132	9.425 ppbv	98
27) Carbon Disulfide	4.55	76	1603319	10.440 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1580482	10.955 ppbv	99
29) Chloroform	5.74	83	2343438	9.461 ppbv	100
30) Cyclohexane	7.12	84	1389929	9.459 ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	1554183	9.880 ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2247471	9.571 ppbv	100
34) 2-Butanone	5.24	43	1577465	9.457 ppbv	100
35) Carbon Tetrachloride	7.01	117	2369400	10.097 ppbv	98
36) Benzene	6.88	78	3418861	9.688 ppbv	98
37) 1,2-Dichloroethane	6.30	62	1630558	9.812 ppbv	99
38) Trichloroethene	7.83	130	1336543	9.586 ppbv	95
39) 1,2-Dichloropropane	7.60	63	1299574	9.790 ppbv	97
40) 1,4-Dioxane	7.83	88	297188	8.947 ppbv #	100
41) Tetrahydrofuran	6.04	42	821097	10.053 ppbv	99
42) Bromodichloromethane	7.78	83	2462405	10.088 ppbv	99
43) Methyl Methacrylate	8.01	69	1214037	10.532 ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5672547	9.567	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	933715	11.773	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1239324	11.273	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	1363596	9.449	ppbv	99
48) Dibromochloromethane	10.29	129	2153743	10.469	ppbv	99
49) Bromoform	13.03	173	1724098	10.953	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2213615	10.194	ppbv	100
51) 2-Hexanone	10.13	43	1028163	10.606	ppbv #	99
52) Tetrachloroethene	11.21	164	1216061	8.857	ppbv	91
53) Toluene	9.80	91	3950118	10.100	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1921547	9.858	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1493033	9.808	ppbv	98
57) Chlorobenzene	12.14	112	2923120m	9.690	ppbv	
58) Ethyl Benzene	12.70	91	4989786	10.105	ppbv	99
59) m/p-Xylene	12.99	91	8408623m	19.839	ppbv	
60) o-Xylene	13.68	91	3964857	9.761	ppbv	99
61) Styrene	13.52	104	2176554	11.078	ppbv	99
62) Isopropylbenzene	14.66	105	5396632	9.525	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2823643	9.008	ppbv	98
64) n-propylbenzene	15.55	120	1455331	10.301	ppbv	99
65) tert-Butylbenzene	16.73	119	4808260	9.644	ppbv	100
66) Benzyl Chloride	16.98	91	255113	10.368	ppbv #	98
67) sec-Butylbenzene	17.28	105	6722953	9.859	ppbv	100
69) p-Isopropyltoluene	17.64	119	5514794	10.004	ppbv	99
70) n-Butylbenzene	18.54	91	5399130	10.309	ppbv	99
71) 2-Chlorotoluene	15.44	91	3974157	9.933	ppbv	100
72) 4-Ethyltoluene	15.82	105	4830243	10.473	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4259569	10.167	ppbv	97
74) 1,2,4-Trimethylbenzene	16.75	105	4405752	10.014	ppbv	94
75) 1,3-Dichlorobenzene	16.98	146	2670028	9.796	ppbv	98
76) 1,4-Dichlorobenzene	17.13	146	2618996	10.073	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	2565185	9.797	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1778724	8.320	ppbv	99
79) Naphthalene	22.18	128	2868138	10.645	ppbv	98
80) Naphthalene,2-methyl-	24.96	142	653951	9.039	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	1734908	10.068	ppbv	100

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

