

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037418.D
 Acq On : 12 Aug 2021 17:18
 Operator : SY/AP
 Sample : VL0812ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Manual Integrations
 APPROVED

apatel
 8/13/2021 11:07:01 AM

Quant Time: Aug 13 01:49:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1360802	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4069042	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3752768m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2713119	10.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1900027	9.139	ppbv	99
3) Chlorodifluoromethane	2.99	51	2362517	8.841	ppbv	99
4) Chloromethane	3.14	50	869119	9.048	ppbv	99
5) Vinyl Chloride	3.26	62	867034	8.192	ppbv	99
6) Bromomethane	3.47	94	438614	7.991	ppbv	99
7) Chloroethane	3.56	64	309603	8.860	ppbv	88
8) Dichlorotetrafluoroethane	3.19	85	2118895	9.132	ppbv	100
9) Propene	3.01	41	819576	9.133	ppbv	98
10) Heptane	8.12	43	2059725	9.439	ppbv	99
11) Trichlorofluoromethane	3.95	101	2009392	8.932	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1484783	9.422	ppbv	97
13) Ethanol	3.61	45	82384	8.603	ppbv	100
14) Bromoethene	3.74	108	679259	9.690	ppbv	99
15) Acetone	3.85	43	1107886	7.677	ppbv	98
16) 1,3-Butadiene	3.33	39	860326	8.882	ppbv	97
17) tert-Butyl alcohol	4.29	59	1352021	9.815	ppbv	99
18) 1,1-Dichloroethene	4.29	96	691802	9.455	ppbv	91
19) Isopropyl Alcohol	3.98	45	757412	9.018	ppbv #	1
20) Methylene Chloride	4.35	84	617813	8.096	ppbv	98
21) Allyl Chloride	4.41	41	1035736	9.159	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	647299	9.431	ppbv	97
23) Vinyl Acetate	5.07	43	2013649	9.093	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1524361	8.863	ppbv	99
25) Ethyl Acetate	5.68	43	3157229	9.180	ppbv	99
26) Hexane	5.69	57	1581653	8.911	ppbv	99
27) Carbon Disulfide	4.55	76	1639094	10.953	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1759244	9.262	ppbv	99
29) Chloroform	5.75	83	2288121	9.156	ppbv	100
30) Cyclohexane	7.13	84	1343943	9.194	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1500884	9.783	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	2215397	8.784	ppbv	99
34) 2-Butanone	5.24	43	1441656	8.582	ppbv	96
35) Carbon Tetrachloride	7.02	117	2343077	9.338	ppbv	100
36) Benzene	6.89	78	3260610	9.503	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1617882	9.240	ppbv	98
38) Trichloroethene	7.84	130	1274604	8.417	ppbv	94
39) 1,2-Dichloropropane	7.62	63	1231519	9.422	ppbv	97
40) 1,4-Dioxane	7.84	88	262678	8.258	ppbv #	100
41) Tetrahydrofuran	6.06	42	738601	9.574	ppbv	98
42) Bromodichloromethane	7.79	83	2410126	9.830	ppbv	97
43) Methyl Methacrylate	8.02	69	1152295	9.909	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5324755	9.282	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	785520	9.090	ppbv	92
46) cis-1,3-Dichloropropene	8.70	75	1045502	8.667	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1299996	9.201	ppbv	97
48) Dibromochloromethane	10.31	129	2122218	10.410	ppbv	100
49) Bromoform	13.04	173	1585179	10.262	ppbv	93
50) 4-Methyl-2-Pentanone	8.75	43	2135616	10.105	ppbv	100
51) 2-Hexanone	10.15	43	1022578m	10.284	ppbv	
52) Tetrachloroethene	11.22	164	1199188	8.296	ppbv	97
53) Toluene	9.81	91	3753220	9.581	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1834583	9.540	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1404227	9.400	ppbv #	56
57) Chlorobenzene	12.15	112	2661463	8.751	ppbv	97
58) Ethyl Benzene	12.71	91	4755958	9.342	ppbv	100
59) m/p-Xylene	13.00	91	8000267m	17.890	ppbv	
60) o-Xylene	13.69	91	3633892	8.747	ppbv	99
61) Styrene	13.53	104	2028221	9.663	ppbv	98
62) Isopropylbenzene	14.67	105	5253939	8.843	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2657027	8.481	ppbv	99
64) n-propylbenzene	15.56	120	1353334	9.052	ppbv	98
65) tert-Butylbenzene	16.74	119	4654749	8.688	ppbv	100
66) Benzyl Chloride	16.98	91	211399m	8.623	ppbv	
67) sec-Butylbenzene	17.29	105	6386807	8.761	ppbv	100
69) p-Isopropyltoluene	17.65	119	5404045	9.032	ppbv	100
70) n-Butylbenzene	18.55	91	5214788	9.377	ppbv	99
71) 2-Chlorotoluene	15.45	91	3805509	9.056	ppbv	99
72) 4-Ethyltoluene	15.84	105	4453815	9.236	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3956495	8.678	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4209383	9.018	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	2485774	8.702	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2411297	8.515	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	2386687	8.684	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1825467	8.200	ppbv	100
79) Naphthalene	22.20	128	3092407	12.190	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	788562	14.717	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1849918	10.733	ppbv	99

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

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