

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
 Data File : VL037350.D
 Acq On : 6 Aug 2021 19:18
 Operator : SY/AP
 Sample : VL0806ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0806ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/10/2021 6:09:42 PM

Quant Time: Aug 07 01:47:49 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 0
 QLast Update : Fri Aug 06 17:52:04 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	932618	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3079355	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2631745m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	1852978	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1619207	7.663	ppbv 98
3) Chlorodifluoromethane	2.99	51	1768259	9.507	ppbv 99
4) Chloromethane	3.14	50	632580	9.951	ppbv 97
5) Vinyl Chloride	3.26	62	689458	8.982	ppbv 100
6) Bromomethane	3.47	94	383426	10.015	ppbv 97
7) Chloroethane	3.56	64	243739	9.477	ppbv 95
8) Dichlorotetrafluoroethane	3.19	85	1738245	9.583	ppbv 99
9) Propene	3.01	41	590390	9.458	ppbv 99
10) Heptane	8.11	43	1470203	10.135	ppbv 100
11) Trichlorofluoromethane	3.95	101	1792924	9.896	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1305730	9.693	ppbv 100
13) Ethanol	3.61	45	91651m	7.961	ppbv
14) Bromoethene	3.74	108	586777	10.239	ppbv 100
15) Acetone	3.85	43	825218	8.491	ppbv 98
16) 1,3-Butadiene	3.32	39	608908	9.321	ppbv 97
17) tert-Butyl alcohol	4.29	59	1081293	10.453	ppbv 98
18) 1,1-Dichloroethene	4.29	96	598583	10.213	ppbv 97
19) Isopropyl Alcohol	3.97	45	580551	9.869	ppbv # 98
20) Methylene Chloride	4.34	84	502978	6.180	ppbv 99
21) Allyl Chloride	4.41	41	741609	9.228	ppbv 95
22) trans-1,2-Dichloroethene	4.88	96	561819	9.848	ppbv 97
23) Vinyl Acetate	5.07	43	1466514	10.873	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1285482	11.075	ppbv 99
25) Ethyl Acetate	5.67	43	2301570	9.574	ppbv 99
26) Hexane	5.68	57	1168400	8.602	ppbv 99
27) Carbon Disulfide	4.55	76	1351643	11.462	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1489654	11.011	ppbv 99
29) Chloroform	5.75	83	1808183	9.923	ppbv 97
30) Cyclohexane	7.12	84	1045574	9.870	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1116614	10.415	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	1855794	9.606	ppbv 99
34) 2-Butanone	5.24	43	1003024	9.701	ppbv 99
35) Carbon Tetrachloride	7.01	117	2004873	10.404	ppbv 100
36) Benzene	6.89	78	2448161	10.373	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1277881	10.354	ppbv 99
38) Trichloroethene	7.83	130	1061805	9.182	ppbv 97
39) 1,2-Dichloropropane	7.61	63	925353	10.760	ppbv 98
40) 1,4-Dioxane	7.83	88	238448	9.445	ppbv # 100
41) Tetrahydrofuran	6.04	42	528488	10.390	ppbv 100
42) Bromodichloromethane	7.78	83	1932782	10.892	ppbv 99
43) Methyl Methacrylate	8.01	69	855269	11.136	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3995676	10.125	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	643073	12.913	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	851348	12.013	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1025493	10.323	ppbv	97
48) Dibromochloromethane	10.30	129	1697814	11.067	ppbv	95
49) Bromoform	13.03	173	1276081	11.368	ppbv	89
50) 4-Methyl-2-Pentanone	8.74	43	1510805	10.655	ppbv	99
51) 2-Hexanone	10.13	43	771147	10.854	ppbv #	98
52) Tetrachloroethene	11.21	164	1024364	9.101	ppbv	98
53) Toluene	9.80	91	2889404	10.503	ppbv	98
54) 1,2-Dibromoethane	10.60	107	1431119	10.428	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1164747	10.445	ppbv #	86
57) Chlorobenzene	12.14	112	2083780	10.105	ppbv	100
58) Ethyl Benzene	12.70	91	3633962	10.563	ppbv	98
59) m/p-Xylene	12.99	91	6259360m	20.924	ppbv	
60) o-Xylene	13.68	91	2769270	9.988	ppbv	93
61) Styrene	13.52	104	1593883	11.162	ppbv	98
62) Isopropylbenzene	14.66	105	4063870	9.954	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	1961284	9.021	ppbv	95
64) n-propylbenzene	15.55	120	1079981	10.432	ppbv	81
65) tert-Butylbenzene	16.73	119	3961801	10.585	ppbv	99
66) Benzyl Chloride	16.98	91	164494	11.042	ppbv	97
67) sec-Butylbenzene	17.28	105	5346147	10.789	ppbv	100
69) p-Isopropyltoluene	17.64	119	4699214	10.982	ppbv	100
70) n-Butylbenzene	18.54	91	4406530	11.538	ppbv	100
71) 2-Chlorotoluene	15.44	91	2834478	10.350	ppbv	95
72) 4-Ethyltoluene	15.83	105	3768938	11.493	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3338036	10.779	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	3533447	10.870	ppbv	99
75) 1,3-Dichlorobenzene	16.99	146	2216778	10.774	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2179337	10.799	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	2177143	10.905	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1609284	10.194	ppbv	100
79) Naphthalene	22.18	128	2960049	12.880	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	474608	11.363	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	1769688	11.893	ppbv	99

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

