

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081320\
 Data File : VL035401.D
 Acq On : 13 Aug 2020 11:34
 Operator : SY/AP
 Sample : VL0813ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0813ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 9:10:55 PM

Quant Time: Aug 15 14:58:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 1
 QLast Update : Wed Aug 12 20:32:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1410480	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3332446	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3246215m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2724657	10.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1638860	9.648 ppbv	100
3) Chlorodifluoromethane	2.98	51	1570463	9.577 ppbv	97
4) Chloromethane	3.13	50	847786	9.251 ppbv	97
5) Vinyl Chloride	3.25	62	807187	8.912 ppbv	98
6) Bromomethane	3.47	94	488694	9.730 ppbv	93
7) Chloroethane	3.55	64	297540	9.313 ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	1829364	9.278 ppbv	96
9) Propene	3.00	41	741448	8.728 ppbv	99
10) Heptane	8.13	43	1945076	8.840 ppbv	99
11) Trichlorofluoromethane	3.94	101	1947003	9.452 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1284237	9.161 ppbv	95
13) Ethanol	3.60	45	189632	6.807 ppbv	98
14) Bromoethene	3.73	108	586146	9.359 ppbv	99
15) Acetone	3.84	43	1452862	8.178 ppbv	99
16) 1,3-Butadiene	3.32	39	767976	8.419 ppbv	98
17) tert-Butyl alcohol	4.29	59	1778063	8.581 ppbv	100
18) 1,1-Dichloroethene	4.29	96	589631	9.181 ppbv	98
19) Isopropyl Alcohol	3.96	45	1218859	8.792 ppbv	# 45
20) Methylene Chloride	4.34	84	536242	7.994 ppbv	95
21) Allyl Chloride	4.41	41	1018349	8.730 ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	604930	9.376 ppbv	95
23) Vinyl Acetate	5.07	43	2467767	8.701 ppbv	99
24) 1,1-Dichloroethane	5.01	63	1710187	9.157 ppbv	99
25) Ethyl Acetate	5.68	43	3134871	8.549 ppbv	99
26) Hexane	5.69	57	1375824	8.575 ppbv	99
27) Carbon Disulfide	4.55	76	1568414	9.156 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2321828	8.764 ppbv	99
29) Chloroform	5.75	83	2182670	9.532 ppbv	99
30) Cyclohexane	7.13	84	1199478	9.070 ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1491870	9.377 ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2183429	8.741 ppbv	100
34) 2-Butanone	5.24	43	2168912	9.133 ppbv	99
35) Carbon Tetrachloride	7.02	117	2155312	9.304 ppbv	95
36) Benzene	6.90	78	2901743	9.080 ppbv	99
37) 1,2-Dichloroethane	6.31	62	1724138	9.720 ppbv	99
38) Trichloroethene	7.84	130	1015087	8.106 ppbv	96
39) 1,2-Dichloropropane	7.62	63	1158380	9.155 ppbv	95
40) 1,4-Dioxane	7.84	88	464517	9.013 ppbv	# 1
41) Tetrahydrofuran	6.05	42	1278088	9.021 ppbv	98
42) Bromodichloromethane	7.80	83	2386169	9.550 ppbv	99
43) Methyl Methacrylate	8.02	69	1316394	9.286 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4812378	8.754	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1565323	9.516	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1779678	9.264	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1195878	9.318	ppbv	95
48) Dibromochloromethane	10.32	129	1925909	9.389	ppbv	100
49) Bromoform	13.06	173	1590378	9.457	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	3191128	8.916	ppbv	100
51) 2-Hexanone	10.14	43	2739630	9.092	ppbv	99
52) Tetrachloroethene	11.24	164	920456	8.123	ppbv	93
53) Toluene	9.82	91	3377102	8.903	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1859446	9.148	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1414724	8.969	ppbv	96
57) Chlorobenzene	12.16	112	2432989	8.792	ppbv	98
58) Ethyl Benzene	12.73	91	4606518	8.978	ppbv	99
59) m/p-Xylene	13.01	91	7416460m	17.334	ppbv	
60) o-Xylene	13.71	91	3634692	8.773	ppbv	99
61) Styrene	13.55	104	2734882	8.941	ppbv	97
62) Isopropylbenzene	14.69	105	5417000	8.717	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	2606681	8.626	ppbv	100
64) n-propylbenzene	15.58	120	1451286	8.853	ppbv	94
65) tert-Butylbenzene	16.77	119	4586998	8.384	ppbv	96
66) Benzyl Chloride	17.01	91	2100926	8.503	ppbv	98
67) sec-Butylbenzene	17.32	105	6766346	8.579	ppbv	99
69) p-Isopropyltoluene	17.68	119	5586996	8.498	ppbv	98
70) n-Butylbenzene	18.57	91	6301190	8.657	ppbv	99
71) 2-Chlorotoluene	15.47	91	4461042	8.917	ppbv	98
72) 4-Ethyltoluene	15.86	105	4511603	8.922	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	4202569	8.863	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	4226468	8.475	ppbv	96
75) 1,3-Dichlorobenzene	17.02	146	2320137	8.525	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	2423350	8.669	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	2374076	8.653	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1806423	7.984	ppbv	100
79) Naphthalene	22.23	128	5086065	8.189	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	2282076	7.890	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	2382554	8.104	ppbv	99

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

