

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081020\
 Data File : VL035373.D
 Acq On : 10 Aug 2020 14:18
 Operator : SY/AP
 Sample : VL0810ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0810ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/12/2020 3:58:22 PM

Quant Time: Aug 11 04:46:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1305977	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3232204	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3422118	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2610738	9.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1519675	8.748	ppbv 99
3) Chlorodifluoromethane	2.94	51	1448462	9.716	ppbv 99
4) Chloromethane	3.10	50	808609	9.580	ppbv 99
5) Vinyl Chloride	3.21	62	827541	9.532	ppbv 98
6) Bromomethane	3.43	94	536963	10.096	ppbv 98
7) Chloroethane	3.52	64	306666	9.511	ppbv # 87
8) Dichlorotetrafluoroethane	3.14	85	2009557	9.787	ppbv 99
9) Propene	2.96	41	562565	10.590	ppbv 99
10) Heptane	8.13	43	1601285	11.801	ppbv 98
11) Trichlorofluoromethane	3.92	101	2174883	9.664	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1573094	9.779	ppbv 99
13) Ethanol	3.56	45	171050m	9.336	ppbv
14) Bromoethene	3.70	108	666386	10.331	ppbv 99
15) Acetone	3.81	43	1628625	8.782	ppbv 98
16) 1,3-Butadiene	3.29	39	754936	10.576	ppbv 98
17) tert-Butyl alcohol	4.26	59	1839556	10.807	ppbv 100
18) 1,1-Dichloroethene	4.26	96	697376	10.096	ppbv 97
19) Isopropyl Alcohol	3.93	45	1209034	10.285	ppbv 99
20) Methylene Chloride	4.31	84	662654	8.762	ppbv 96
21) Allyl Chloride	4.38	41	1102976	10.380	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	697459	10.413	ppbv 97
23) Vinyl Acetate	5.06	43	1989623	11.188	ppbv 98
24) 1,1-Dichloroethane	4.99	63	1682754	10.069	ppbv 98
25) Ethyl Acetate	5.66	43	2924133	10.377	ppbv 99
26) Hexane	5.67	57	1318251	10.785	ppbv 98
27) Carbon Disulfide	4.52	76	1829638	10.705	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1989025	11.191	ppbv 100
29) Chloroform	5.74	83	2091205	9.924	ppbv 98
30) Cyclohexane	7.13	84	1085787	11.715	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1256586	11.564	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	2090573	9.439	ppbv 99
34) 2-Butanone	5.22	43	1760662	11.063	ppbv 99
35) Carbon Tetrachloride	7.02	117	2215195	9.959	ppbv 99
36) Benzene	6.89	78	2527006	11.578	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1607332	10.541	ppbv 100
38) Trichloroethene	7.84	130	1093265	10.859	ppbv 98
39) 1,2-Dichloropropane	7.62	63	967640	10.951	ppbv 97
40) 1,4-Dioxane	7.83	88	431393	11.401	ppbv # 1
41) Tetrahydrofuran	6.04	42	958900	12.278	ppbv 99
42) Bromodichloromethane	7.80	83	2261522	11.045	ppbv 96
43) Methyl Methacrylate	8.02	69	1151612	12.542	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4380885	11.298	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1278151	13.419	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1515965	13.178	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1115472	10.500	ppbv	97
48) Dibromochloromethane	10.33	129	1956940	11.245	ppbv	99
49) Bromoform	13.08	173	1806852	11.394	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2765993	11.383	ppbv	100
51) 2-Hexanone	10.15	43	2277925	11.958	ppbv #	99
52) Tetrachloroethene	11.25	164	981042	11.337	ppbv	99
53) Toluene	9.82	91	3041769	12.811	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1704208	11.181	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.16	131	1523823	9.434	ppbv #	89
57) Chlorobenzene	12.18	112	2494119	9.679	ppbv	98
58) Ethyl Benzene	12.74	91	4110289	11.543	ppbv	95
59) m/p-Xylene	13.02	91	7092160m	21.389	ppbv	
60) o-Xylene	13.73	91	3535807	10.746	ppbv	99
61) Styrene	13.56	104	2492503	12.404	ppbv	99
62) Isopropylbenzene	14.70	105	5251557	10.600	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2567573	9.147	ppbv	99
64) n-propylbenzene	15.60	120	1435161	10.779	ppbv	99
65) tert-Butylbenzene	16.78	119	4811461	10.606	ppbv	99
66) Benzyl Chloride	17.03	91	2027643	11.292	ppbv	99
67) sec-Butylbenzene	17.34	105	6622559	10.320	ppbv	100
69) p-Isopropyltoluene	17.69	119	5688574	10.874	ppbv	99
70) n-Butylbenzene	18.59	91	5892732	10.530	ppbv	100
71) 2-Chlorotoluene	15.49	91	4077622	11.236	ppbv	99
72) 4-Ethyltoluene	15.87	105	4220585	11.250	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3995840	11.100	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	4270692	10.380	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	2559076	9.508	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2513027	10.082	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	2432658	9.794	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1950425	9.229	ppbv	99
79) Naphthalene	22.26	128	4072411	12.869	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	1398718	19.431	ppbv	98
81) 1,2,4-Trichlorobenzene	21.99	180	2294157	11.504	ppbv	99

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

