

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035426.D
 Acq On : 17 Aug 2020 18:05
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:05:48 AM

Quant Time: Aug 17 19:26:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 2020
 QLast Update : Mon Aug 17 09:05:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1056260	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.20	114	4966334	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.12	117	5357727	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	3647140	8.04	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2182229	15.559	ppbv 97
3) Chlorodifluoromethane	2.99	51	1753745	12.956	ppbv # 91
4) Chloromethane	3.14	50	946284	13.272	ppbv 98
5) Vinyl Chloride	3.26	62	1121752	15.486	ppbv 97
6) Bromomethane	3.48	94	984854	24.790	ppbv 98
7) Chloroethane	3.56	64	415334	17.284	ppbv 95
8) Dichlorotetrafluoroethane	3.19	85	2943429	18.409	ppbv # 56
9) Propene	3.01	41	713460	11.109	ppbv 100
10) Heptane	8.15	43	1882772	11.597	ppbv # 79
11) Trichlorofluoromethane	3.96	101	3882494	23.063	ppbv 93
12) 1,1,2-Trichlorotrifluoroet	4.50	101	2985184	27.232	ppbv # 76
13) Ethanol	3.61	45	175359	8.550	ppbv 99
14) Bromoethene	3.75	108	1386214	28.820	ppbv # 95
15) Acetone	3.86	43	1458211	10.491	ppbv # 82
16) 1,3-Butadiene	3.33	39	687527	10.798	ppbv # 67
17) tert-Butyl alcohol	4.30	59	2072392	15.709	ppbv 98
18) 1,1-Dichloroethene	4.30	96	1397103	28.363	ppbv # 58
19) Isopropyl Alcohol	3.98	45	1050514	10.717	ppbv # 99
20) Methylene Chloride	4.36	84	1143786	22.183	ppbv # 63
21) Allyl Chloride	4.42	41	911144	11.218	ppbv # 82
22) trans-1,2-Dichloroethene	4.90	96	1497380	30.517	ppbv # 63
23) Vinyl Acetate	5.09	43	2482099	12.183	ppbv # 93
24) 1,1-Dichloroethane	5.03	63	2307714	15.889	ppbv # 93
25) Ethyl Acetate	5.70	43	2996234	10.764	ppbv # 92
26) Hexane	5.71	57	1712115	14.157	ppbv # 75
27) Carbon Disulfide	4.56	76	2878207	24.443	ppbv # 86
28) Methyl tert-Butyl Ether	5.05	73	3284182	17.597	ppbv 93
29) Chloroform	5.77	83	3545539	19.089	ppbv 95
30) Cyclohexane	7.15	84	2061428	21.468	ppbv # 60
31) cis-1,2-Dichloroethene	5.57	61	1940527	15.753	ppbv # 64
32) 1,1,1-Trichloroethane	6.54	97	3709982	20.035	ppbv # 89
34) 2-Butanone	5.26	43	2178980	5.689	ppbv # 73
35) Carbon Tetrachloride	7.04	117	3990670	10.816	ppbv 98
36) Benzene	6.92	78	4559333	9.046	ppbv # 94
37) 1,2-Dichloroethane	6.33	62	2210204	7.111	ppbv # 89
38) Trichloroethene	7.86	130	2586397	13.273	ppbv # 83
39) 1,2-Dichloropropane	7.64	63	1569625	7.728	ppbv # 86
40) 1,4-Dioxane	7.86	88	768699	9.782	ppbv # 29
41) Tetrahydrofuran	6.07	42	1268327	5.889	ppbv # 62
42) Bromodichloromethane	7.82	83	3814818	9.597	ppbv # 98
43) Methyl Methacrylate	8.04	69	1957532	8.923	ppbv # 58

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44) 2,2,4-Trimethylpentane	7.90	57	5630248	6.391	ppbv #	93
45) t-1,3-Dichloropropene	9.31	75	2362616	10.250	ppbv	96
46) cis-1,3-Dichloropropene	8.74	75	2717209	9.736	ppbv #	76
47) 1,1,2-Trichloroethane	9.51	97	2341040	11.461	ppbv	93
48) Dibromochloromethane	10.34	129	4341319	14.594	ppbv	100
49) Bromoform	13.08	173	4383704	18.746	ppbv	98
50) 4-Methyl-2-Pentanone	8.77	43	3125010	5.640	ppbv #	80
51) 2-Hexanone	10.16	43	2758410	5.865	ppbv #	78
52) Tetrachloroethene	11.26	164	2848375	15.887	ppbv #	85
53) Toluene	9.84	91	5827675	10.153	ppbv	96
54) 1,2-Dibromoethane	10.65	107	3780294	11.992	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.16	131	3330885	12.634	ppbv	98
57) Chlorobenzene	12.19	112	5102898	10.546	ppbv #	82
58) Ethyl Benzene	12.75	91	7497146	8.452	ppbv #	77
59) m/p-Xylene	13.04	91	12567728m	16.983	ppbv	
60) o-Xylene	13.73	91	6205382	8.521	ppbv	83
61) Styrene	13.57	104	5426207	10.911	ppbv #	90
62) Isopropylbenzene	14.71	105	9360338	8.710	ppbv #	81
63) 1,1,2,2-Tetrachloroethane	13.72	83	4339754	7.680	ppbv	96
64) n-propylbenzene	15.60	120	3382743	12.417	ppbv #	33
65) tert-Butylbenzene	16.79	119	9204187	9.996	ppbv #	83
66) Benzyl Chloride	17.03	91	3699457	12.269	ppbv #	86
67) sec-Butylbenzene	17.34	105	11212144	8.246	ppbv #	76
69) p-Isopropyltoluene	17.70	119	10350422	9.349	ppbv #	89
70) n-Butylbenzene	18.60	91	9757093	7.539	ppbv #	85
71) 2-Chlorotoluene	15.49	91	7321781	8.327	ppbv	73
72) 4-Ethyltoluene	15.88	105	8044900	9.428	ppbv #	89
73) 1,3,5-Trimethylbenzene	16.04	105	7560046	9.385	ppbv #	77
74) 1,2,4-Trimethylbenzene	16.81	105	7670324	8.893	ppbv #	89
75) 1,3-Dichlorobenzene	17.04	146	6123533	13.043	ppbv	91
76) 1,4-Dichlorobenzene	17.18	146	6236233	12.953	ppbv	91
77) 1,2-Dichlorobenzene	17.86	146	6142153	12.984	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	4614255	12.700	ppbv	97
79) Naphthalene	22.26	128	11206035	11.129	ppbv #	92
80) Naphthalene, 2-methyl-	25.01	142	5973142	14.217	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.99	180	7053401	14.779	ppbv	99

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

