

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035506.D
 Acq On : 27 Aug 2020 2:51
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:17:23 PM

Quant Time: Aug 27 05:43:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 05:32:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1102131	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4778482	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5005997	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3482074	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	368132	1.826	ppbv	97
3) Chlorodifluoromethane	2.99	51	249237	2.003	ppbv	100
4) Chloromethane	3.14	50	132216	2.041	ppbv	99
5) Vinyl Chloride	3.26	62	156122	2.050	ppbv	98
6) Bromomethane	3.48	94	136847	1.960	ppbv	98
7) Chloroethane	3.56	64	58213	2.002	ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	481195	2.011	ppbv	99
9) Propene	3.01	41	94770	1.958	ppbv	99
10) Heptane	8.14	43	259466	2.013	ppbv	99
11) Trichlorofluoromethane	3.96	101	576386	1.982	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	424900	1.958	ppbv	98
13) Ethanol	3.61	45	24789	1.825	ppbv	98
14) Bromoethene	3.75	108	186255	1.973	ppbv	100
15) Acetone	3.86	43	252593	2.137	ppbv	96
16) 1,3-Butadiene	3.33	39	92433	1.969	ppbv	100
17) tert-Butyl alcohol	4.30	59	303689	2.019	ppbv	99
18) 1,1-Dichloroethene	4.29	96	188956	1.967	ppbv	99
19) Isopropyl Alcohol	3.98	45	145701	1.907	ppbv #	97
20) Methylene Chloride	4.35	84	193921	1.539	ppbv	99
21) Allyl Chloride	4.42	41	112081	1.881	ppbv	96
22) trans-1,2-Dichloroethene	4.90	96	199950	1.970	ppbv	98
23) Vinyl Acetate	5.09	43	319551	2.054	ppbv	97
24) 1,1-Dichloroethane	5.02	63	331658	2.032	ppbv	97
25) Ethyl Acetate	5.69	43	451574	2.017	ppbv	99
26) Hexane	5.70	57	260895	1.916	ppbv	99
27) Carbon Disulfide	4.56	76	358560	1.981	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	443309	2.007	ppbv	99
29) Chloroform	5.76	83	509733	1.975	ppbv	97
30) Cyclohexane	7.15	84	272800	1.996	ppbv	86
31) cis-1,2-Dichloroethene	5.56	61	259026	2.015	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	478621	2.031	ppbv	99
34) 2-Butanone	5.26	43	296247	2.097	ppbv	99
35) Carbon Tetrachloride	7.04	117	496101	2.134	ppbv	97
36) Benzene	6.91	78	660744	2.102	ppbv	97
37) 1,2-Dichloroethane	6.32	62	301362	2.024	ppbv	99
38) Trichloroethene	7.85	130	348972	2.009	ppbv	97
39) 1,2-Dichloropropane	7.63	63	218544	2.076	ppbv	96
40) 1,4-Dioxane	7.87	88	108514	2.093	ppbv	71
41) Tetrahydrofuran	6.07	42	156270	2.042	ppbv	98
42) Bromodichloromethane	7.81	83	496023	2.040	ppbv	97
43) Methyl Methacrylate	8.04	69	254319	2.089	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	890205	2.162	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	246497	1.980	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	312239	2.023	ppbv	94
47) 1,1,2-Trichloroethane	9.50	97	318983	2.027	ppbv	98
48) Dibromochloromethane	10.33	129	506440	2.027	ppbv	99
49) Bromoform	13.07	173	456808	1.974	ppbv	98
50) 4-Methyl-2-Pentanone	8.77	43	437467	2.150	ppbv	98
51) 2-Hexanone	10.17	43	353030	2.117	ppbv #	99
52) Tetrachloroethene	11.25	164	359689	1.971	ppbv	97
53) Toluene	9.83	91	847461	2.130	ppbv	97
54) 1,2-Dibromoethane	10.64	107	510422	2.044	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.15	131	424407	2.030	ppbv #	1
57) Chlorobenzene	12.18	112	768809	2.065	ppbv	99
58) Ethyl Benzene	12.74	91	1131946	2.134	ppbv	91
59) m/p-Xylene	13.02	91	1885698m	4.183	ppbv	
60) o-Xylene	13.72	91	941202	2.120	ppbv	98
61) Styrene	13.56	104	724434	2.118	ppbv	97
62) Isopropylbenzene	14.70	105	1532092	2.134	ppbv	94
63) 1,1,2,2-Tetrachloroethane	13.71	83	665565	2.051	ppbv	98
64) n-propylbenzene	15.59	120	452945	2.074	ppbv	78
65) tert-Butylbenzene	16.78	119	1469386	2.156	ppbv	95
66) Benzyl Chloride	17.02	91	298147	1.798	ppbv	96
67) sec-Butylbenzene	17.33	105	1990664	2.197	ppbv	93
69) p-Isopropyltoluene	17.69	119	1727771	2.188	ppbv	93
70) n-Butylbenzene	18.59	91	1661117	2.190	ppbv	94
71) 2-Chlorotoluene	15.49	91	1108349	2.133	ppbv	97
72) 4-Ethyltoluene	15.87	105	1221713	2.157	ppbv	96
73) 1,3,5-Trimethylbenzene	16.03	105	1132207	2.162	ppbv	94
74) 1,2,4-Trimethylbenzene	16.80	105	1246339	2.169	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	890231	2.068	ppbv	98
76) 1,4-Dichlorobenzene	17.18	146	873812	2.032	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	862386	2.033	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	565993	1.944	ppbv	99
79) Naphthalene	22.25	128	1397775	1.954	ppbv	96
80) Naphthalene, 2-methyl-	25.01	142	464597	1.653	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	807960	1.921	ppbv	100

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

