

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072320\
 Data File : VL035223.D
 Acq On : 23 Jul 2020 9:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 7/27/2020 12:29:27 PM

Quant Time: Jul 25 11:18:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1194112	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2859067	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2901703m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2188653	9.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.00	85	1185462	7.084	ppbv	99
3) Chlorodifluoromethane	2.94	51	1288635	9.770	ppbv	99
4) Chloromethane	3.09	50	725257	9.756	ppbv	96
5) Vinyl Chloride	3.21	62	749180	9.431	ppbv	99
6) Bromomethane	3.43	94	470904	10.445	ppbv	98
7) Chloroethane	3.51	64	281129	10.010	ppbv	97
8) Dichlorotetrafluoroethane	3.14	85	1690162	9.215	ppbv	99
9) Propene	2.96	41	500204	10.035	ppbv	98
10) Heptane	8.13	43	1455817	11.376	ppbv	99
11) Trichlorofluoromethane	3.91	101	1850711	9.793	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1306976	9.848	ppbv	99
13) Ethanol	3.56	45	127980m	8.064	ppbv	
14) Bromoethene	3.70	108	566954	10.380	ppbv	99
15) Acetone	3.81	43	1402757	8.677	ppbv	99
16) 1,3-Butadiene	3.28	39	668223	10.768	ppbv	100
17) tert-Butyl alcohol	4.26	59	1582799	11.065	ppbv	100
18) 1,1-Dichloroethene	4.25	96	603626	10.272	ppbv	93
19) Isopropyl Alcohol	3.93	45	1038110	10.644	ppbv	99
20) Methylene Chloride	4.31	84	541511	7.698	ppbv	99
21) Allyl Chloride	4.38	41	959635	10.199	ppbv	100
22) trans-1,2-Dichloroethene	4.86	96	586429	9.996	ppbv	96
23) Vinyl Acetate	5.05	43	1846938	10.554	ppbv	97
24) 1,1-Dichloroethane	4.99	63	1521111	10.122	ppbv	99
25) Ethyl Acetate	5.66	43	2592313	10.333	ppbv	100
26) Hexane	5.67	57	1148787	10.385	ppbv	99
27) Carbon Disulfide	4.52	76	1620304	10.490	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1778142	10.551	ppbv	99
29) Chloroform	5.74	83	1839098	9.917	ppbv	97
30) Cyclohexane	7.13	84	958270	11.708	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1128927	10.790	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1834108	9.868	ppbv	99
34) 2-Butanone	5.22	43	1595048	10.452	ppbv	100
35) Carbon Tetrachloride	7.02	117	1883645	10.149	ppbv	96
36) Benzene	6.89	78	2239242	10.822	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1417974	10.211	ppbv	100
38) Trichloroethene	7.84	130	920118	10.913	ppbv	94
39) 1,2-Dichloropropane	7.62	63	890031	10.816	ppbv	100
40) 1,4-Dioxane	7.83	88	349799	10.678	ppbv	94
41) Tetrahydrofuran	6.03	42	858657	11.245	ppbv	99
42) Bromodichloromethane	7.80	83	1963463	10.588	ppbv	99
43) Methyl Methacrylate	8.02	69	1044571	11.942	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3920215	10.975	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1156349	12.583	ppbv	95
46) cis-1,3-Dichloropropene	8.71	75	1387434	12.735	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	971253	10.783	ppbv	98
48) Dibromochloromethane	10.33	129	1660898	11.333	ppbv	99
49) Bromoform	13.07	173	1472182	11.483	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2467657	11.267	ppbv	100
51) 2-Hexanone	10.15	43	1975934	11.832	ppbv #	99
52) Tetrachloroethene	11.25	164	828354	10.718	ppbv	98
53) Toluene	9.82	91	2658433	12.173	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1485460	11.113	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1282140	9.973	ppbv #	92
57) Chlorobenzene	12.17	112	2101176	9.825	ppbv	99
58) Ethyl Benzene	12.74	91	3602043	11.231	ppbv	99
59) m/p-Xylene	13.02	91	6007846m	21.018	ppbv	
60) o-Xylene	13.72	91	3034014	10.639	ppbv	99
61) Styrene	13.56	104	2149612	12.198	ppbv	99
62) Isopropylbenzene	14.70	105	4478142	10.594	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2209462	9.271	ppbv	99
64) n-propylbenzene	15.60	120	1197749	10.969	ppbv	98
65) tert-Butylbenzene	16.78	119	3988484	10.505	ppbv	100
66) Benzyl Chloride	17.03	91	1653663	12.226	ppbv	100
67) sec-Butylbenzene	17.33	105	5685016	10.271	ppbv	99
69) p-Isopropyltoluene	17.69	119	4741788	10.931	ppbv	100
70) n-Butylbenzene	18.59	91	4962078	10.788	ppbv	99
71) 2-Chlorotoluene	15.48	91	3487267	10.902	ppbv	100
72) 4-Ethyltoluene	15.87	105	3597911	11.197	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3363725	10.855	ppbv	96
74) 1,2,4-Trimethylbenzene	16.80	105	3532895	10.317	ppbv	96
75) 1,3-Dichlorobenzene	17.03	146	2052855	9.466	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2064816	10.245	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1980388	10.143	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1383957	8.970	ppbv	99
79) Naphthalene	22.26	128	2975296	13.427	ppbv	99
80) Naphthalene,2-methyl-	25.01	142	1081076	20.654	ppbv	98
81) 1,2,4-Trichlorobenzene	21.99	180	1661420	11.835	ppbv	100

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

