

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073120\
 Data File : VL035294.D
 Acq On : 31 Jul 2020 00:28
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 8/3/2020 12:36:32 PM

Quant Time: Jul 31 06:15:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1228585	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2954124	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2979825	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	2288620	9.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1456891	9.928	ppbv 99
3) Chlorodifluoromethane	2.95	51	1289426	9.481	ppbv 99
4) Chloromethane	3.11	50	726039	9.487	ppbv 100
5) Vinyl Chloride	3.22	62	753487	9.452	ppbv 99
6) Bromomethane	3.45	94	466359	9.471	ppbv 95
7) Chloroethane	3.53	64	289186	10.050	ppbv 99
8) Dichlorotetrafluoroethane	3.15	85	1798712	9.661	ppbv 100
9) Propene	2.97	41	488717	10.309	ppbv 99
10) Heptane	8.15	43	1433765	11.173	ppbv 100
11) Trichlorofluoromethane	3.93	101	1932637	9.792	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1380302	9.861	ppbv 100
13) Ethanol	3.58	45	114070	5.912	ppbv 94
14) Bromoethene	3.72	108	580521	10.163	ppbv 98
15) Acetone	3.83	43	1433064	8.745	ppbv 99
16) 1,3-Butadiene	3.30	39	655554	10.255	ppbv 98
17) tert-Butyl alcohol	4.28	59	1570442	9.929	ppbv 99
18) 1,1-Dichloroethene	4.27	96	633986	10.201	ppbv 86
19) Isopropyl Alcohol	3.95	45	1004595	9.295	ppbv 100
20) Methylene Chloride	4.33	84	587066	7.870	ppbv 96
21) Allyl Chloride	4.39	41	973876	10.435	ppbv 100
22) trans-1,2-Dichloroethene	4.88	96	605966	10.147	ppbv 96
23) Vinyl Acetate	5.07	43	1759344	10.684	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1516973	9.878	ppbv 99
25) Ethyl Acetate	5.68	43	2578165	10.074	ppbv 99
26) Hexane	5.68	57	1175952	10.186	ppbv 99
27) Carbon Disulfide	4.54	76	1626264	10.426	ppbv 100
28) Methyl tert-Butyl Ether	5.02	73	1761051	10.670	ppbv 99
29) Chloroform	5.75	83	1876314	9.690	ppbv 96
30) Cyclohexane	7.15	84	950475	11.518	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1134851	11.276	ppbv 96
32) 1,1,1-Trichloroethane	6.52	97	1856986	9.370	ppbv 99
34) 2-Butanone	5.24	43	1530006	10.179	ppbv 100
35) Carbon Tetrachloride	7.03	117	1937232	9.794	ppbv 98
36) Benzene	6.91	78	2243384	10.927	ppbv 97
37) 1,2-Dichloroethane	6.32	62	1464955	10.207	ppbv 99
38) Trichloroethene	7.86	130	945835	11.116	ppbv 98
39) 1,2-Dichloropropane	7.64	63	890058	10.866	ppbv 97
40) 1,4-Dioxane	7.85	88	354534	10.991	ppbv 91
41) Tetrahydrofuran	6.05	42	820628	11.139	ppbv 99
42) Bromodichloromethane	7.82	83	2004948	10.467	ppbv 98
43) Methyl Methacrylate	8.03	69	1034683	11.632	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3954486	10.932	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1127739	12.582	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1346496	12.332	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	978899	10.117	ppbv	96
48) Dibromochloromethane	10.34	129	1707279	11.203	ppbv	99
49) Bromoform	13.09	173	1523536	11.121	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2422353	11.121	ppbv	99
51) 2-Hexanone	10.17	43	1952587	11.821	ppbv #	99
52) Tetrachloroethene	11.27	164	853667	10.898	ppbv	97
53) Toluene	9.84	91	2674076	12.255	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1509823	10.792	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.17	131	1328300	9.695	ppbv #	94
57) Chlorobenzene	12.19	112	2165617	9.659	ppbv	99
58) Ethyl Benzene	12.75	91	3706899	11.746	ppbv	98
59) m/p-Xylene	13.04	91	6304791m	21.459	ppbv	
60) o-Xylene	13.74	91	3162534	10.788	ppbv	100
61) Styrene	13.57	104	2196035	12.342	ppbv	99
62) Isopropylbenzene	14.72	105	4671130	10.706	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	2325053	9.218	ppbv	99
64) n-propylbenzene	15.61	120	1276671	11.005	ppbv	98
65) tert-Butylbenzene	16.80	119	4197171	10.619	ppbv	99
66) Benzyl Chloride	17.05	91	1648096	10.646	ppbv	99
67) sec-Butylbenzene	17.35	105	5944676	10.293	ppbv	100
69) p-Isopropyltoluene	17.71	119	4997999	10.609	ppbv	100
70) n-Butylbenzene	18.61	91	5249762	10.300	ppbv	99
71) 2-Chlorotoluene	15.50	91	3649832	11.094	ppbv	99
72) 4-Ethyltoluene	15.89	105	3786295	11.476	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	3547283	11.024	ppbv	97
74) 1,2,4-Trimethylbenzene	16.82	105	3758546	10.034	ppbv	98
75) 1,3-Dichlorobenzene	17.06	146	2213439	9.152	ppbv	99
76) 1,4-Dichlorobenzene	17.20	146	2190246	10.012	ppbv	100
77) 1,2-Dichlorobenzene	17.88	146	2102651	9.706	ppbv	100
78) Hexachloro-1,3-Butadiene	23.44	225	1442452	8.135	ppbv	99
79) Naphthalene	22.27	128	2972954	9.981	ppbv	100
80) Naphthalene, 2-methyl-	25.02	142	815713	8.462	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1703165	9.394	ppbv	100

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

