

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
 Data File : VL035292.D
 Acq On : 30 Jul 2020 23:12
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Jul 31 05:50:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 07:14:29 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	1263905	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3027953	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	3096268	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2386285	9.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1482123	9.818	ppbv	98
3) Chlorodifluoromethane	2.95	51	1290701	9.225	ppbv	100
4) Chloromethane	3.11	50	724741	9.205	ppbv	98
5) Vinyl Chloride	3.22	62	738849	9.009	ppbv	98
6) Bromomethane	3.44	94	469101	9.260	ppbv	96
7) Chloroethane	3.53	64	281266	9.502	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1819577	9.500	ppbv	99
9) Propene	2.97	41	470090	9.639	ppbv	98
10) Heptane	8.14	43	1438108	10.894	ppbv	100
11) Trichlorofluoromethane	3.93	101	1975566	9.730	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1362446	9.462	ppbv	100
13) Ethanol	3.58	45	118259	5.958	ppbv	95
14) Bromoethene	3.71	108	587115	9.991	ppbv	99
15) Acetone	3.83	43	1471446	8.728	ppbv	100
16) 1,3-Butadiene	3.30	39	649648	9.879	ppbv	100
17) tert-Butyl alcohol	4.27	59	1561563	9.597	ppbv	99
18) 1,1-Dichloroethene	4.27	96	640227	10.013	ppbv	93
19) Isopropyl Alcohol	3.95	45	1026262	9.230	ppbv	# 99
20) Methylene Chloride	4.33	84	559264	7.288	ppbv	96
21) Allyl Chloride	4.40	41	978944	10.196	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	622160	10.127	ppbv	95
23) Vinyl Acetate	5.07	43	1730711	10.217	ppbv	97
24) 1,1-Dichloroethane	5.00	63	1504181	9.521	ppbv	99
25) Ethyl Acetate	5.68	43	2541311	9.653	ppbv	99
26) Hexane	5.69	57	1156372	9.736	ppbv	99
27) Carbon Disulfide	4.54	76	1658081	10.333	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1724918	10.159	ppbv	99
29) Chloroform	5.76	83	1903591	9.556	ppbv	98
30) Cyclohexane	7.14	84	955249	11.252	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1112584	10.746	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	1861720	9.131	ppbv	99
34) 2-Butanone	5.24	43	1529733	9.929	ppbv	99
35) Carbon Tetrachloride	7.03	117	1963916	9.687	ppbv	98
36) Benzene	6.91	78	2238256	10.636	ppbv	97
37) 1,2-Dichloroethane	6.32	62	1471690	10.004	ppbv	99
38) Trichloroethene	7.86	130	959837	11.005	ppbv	95
39) 1,2-Dichloropropane	7.64	63	870419	10.367	ppbv	98
40) 1,4-Dioxane	7.85	88	355369	10.749	ppbv	91
41) Tetrahydrofuran	6.05	42	823259	10.903	ppbv	100
42) Bromodichloromethane	7.82	83	2034181	10.360	ppbv	98
43) Methyl Methacrylate	8.03	69	1027312	11.267	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3973203	10.716	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1154932	12.572	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1369222	12.234	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	1006876	10.152	ppbv	97
48) Dibromochloromethane	10.35	129	1706750	10.927	ppbv	100
49) Bromoform	13.09	173	1573046	11.202	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2424760	10.860	ppbv	99
51) 2-Hexanone	10.16	43	1953047	11.535	ppbv #	99
52) Tetrachloroethene	11.27	164	846815	10.547	ppbv	97
53) Toluene	9.84	91	2669616	11.937	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1527397	10.651	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.17	131	1332791	9.362	ppbv	96
57) Chlorobenzene	12.19	112	2199394	9.441	ppbv	96
58) Ethyl Benzene	12.75	91	3711266	11.318	ppbv	100
59) m/p-Xylene	13.04	91	6254453m	20.488	ppbv	
60) o-Xylene	13.74	91	3190275	10.474	ppbv	99
61) Styrene	13.57	104	2171757	11.747	ppbv	100
62) Isopropylbenzene	14.72	105	4655351	10.269	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	2356438	8.991	ppbv	100
64) n-propylbenzene	15.61	120	1249316	10.364	ppbv	99
65) tert-Butylbenzene	16.80	119	4238626	10.321	ppbv	100
66) Benzyl Chloride	17.04	91	1652205	10.271	ppbv	100
67) sec-Butylbenzene	17.35	105	5991581	9.984	ppbv	100
69) p-Isopropyltoluene	17.71	119	4982959	10.179	ppbv	99
70) n-Butylbenzene	18.61	91	5231349	9.878	ppbv	99
71) 2-Chlorotoluene	15.51	91	3644151	10.660	ppbv	99
72) 4-Ethyltoluene	15.89	105	3729453	10.878	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	3525371	10.544	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	3753209	9.643	ppbv	98
75) 1,3-Dichlorobenzene	17.05	146	2196353	8.740	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	2153182	9.472	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	2091401	9.291	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1497936	8.130	ppbv	99
79) Naphthalene	22.27	128	3209808	10.371	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	973589	9.720	ppbv	98
81) 1,2,4-Trichlorobenzene	22.00	180	1782007	9.459	ppbv	100

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

