

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082320\
 Data File : VL035491.D
 Acq On : 23 Aug 2020 8:13
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Aug 23 10:33:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1008201	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4606236	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4603041m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3361729	10.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1609035	8.611	ppbv	100
3) Chlorodifluoromethane	2.98	51	1077890	8.527	ppbv	92
4) Chloromethane	3.13	50	570039	8.656	ppbv	95
5) Vinyl Chloride	3.25	62	685578	8.711	ppbv	95
6) Bromomethane	3.47	94	617315	8.968	ppbv	98
7) Chloroethane	3.55	64	254963	8.793	ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	2012337	8.410	ppbv #	62
9) Propene	3.00	41	420355	8.273	ppbv	100
10) Heptane	8.13	43	1158205	8.694	ppbv #	79
11) Trichlorofluoromethane	3.95	101	2463101	8.401	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1870035	8.559	ppbv	84
13) Ethanol	3.60	45	111412	5.985	ppbv	99
14) Bromoethene	3.74	108	861645	8.924	ppbv #	94
15) Acetone	3.85	43	918638	7.916	ppbv #	84
16) 1,3-Butadiene	3.32	39	412702	8.770	ppbv #	65
17) tert-Butyl alcohol	4.29	59	1394227	9.296	ppbv	98
18) 1,1-Dichloroethene	4.29	96	863679	8.953	ppbv #	60
19) Isopropyl Alcohol	3.97	45	703044	8.790	ppbv #	98
20) Methylene Chloride	4.34	84	692169	7.393	ppbv #	63
21) Allyl Chloride	4.41	41	554185	9.398	ppbv #	82
22) trans-1,2-Dichloroethene	4.88	96	913146	8.869	ppbv #	64
23) Vinyl Acetate	5.08	43	1471454	8.870	ppbv #	94
24) 1,1-Dichloroethane	5.01	63	1438799	8.691	ppbv #	95
25) Ethyl Acetate	5.68	43	1886695	8.355	ppbv #	93
26) Hexane	5.69	57	1066819	8.372	ppbv #	75
27) Carbon Disulfide	4.55	76	1805193	9.800	ppbv #	85
28) Methyl tert-Butyl Ether	5.03	73	2002245	8.601	ppbv	92
29) Chloroform	5.75	83	2238361	8.742	ppbv	99
30) Cyclohexane	7.13	84	1269038	8.976	ppbv #	61
31) cis-1,2-Dichloroethene	5.55	61	1186334	8.852	ppbv #	64
32) 1,1,1-Trichloroethane	6.52	97	2267195	9.448	ppbv #	90
34) 2-Butanone	5.25	43	1313456	8.535	ppbv #	74
35) Carbon Tetrachloride	7.02	117	2425880	9.902	ppbv	100
36) Benzene	6.90	78	2907650	8.601	ppbv #	93
37) 1,2-Dichloroethane	6.31	62	1356207	8.778	ppbv #	90
38) Trichloroethene	7.84	130	1580707	8.406	ppbv	84
39) 1,2-Dichloropropane	7.62	63	961531	8.630	ppbv #	85
40) 1,4-Dioxane	7.84	88	538732	8.876	ppbv #	20
41) Tetrahydrofuran	6.05	42	752666	8.866	ppbv #	60
42) Bromodichloromethane	7.80	83	2390263	9.245	ppbv #	99
43) Methyl Methacrylate	8.02	69	1196310	9.049	ppbv #	58

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.88	57	3677023	8.329	ppbv #	93
45) t-1,3-Dichloropropene	9.29	75	1394255	10.238	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	1643056	9.685	ppbv #	75
47) 1,1,2-Trichloroethane	9.49	97	1452248	8.726	ppbv	93
48) Dibromochloromethane	10.32	129	2602433	9.322	ppbv	99
49) Bromoform	13.06	173	2526629	9.394	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1940998	8.792	ppbv #	81
51) 2-Hexanone	10.14	43	1664718	8.946	ppbv #	78
52) Tetrachloroethene	11.24	164	1662106	8.060	ppbv #	85
53) Toluene	9.82	91	3747382	8.606	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2348231	8.688	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	2011282	9.211	ppbv	96
57) Chlorobenzene	12.16	112	3261248	8.488	ppbv #	82
58) Ethyl Benzene	12.73	91	4909329	8.835	ppbv #	86
59) m/p-Xylene	13.01	91	8016216m	17.066	ppbv	
60) o-Xylene	13.71	91	4023610	8.814	ppbv	87
61) Styrene	13.55	104	3353586	9.091	ppbv #	90
62) Isopropylbenzene	14.69	105	6297181	8.416	ppbv #	88
63) 1,1,2,2-Tetrachloroethane	13.70	83	2811397	8.573	ppbv	97
64) n-propylbenzene	15.58	120	2023032	8.772	ppbv #	51
65) tert-Butylbenzene	16.77	119	6036254	8.302	ppbv	83
66) Benzyl Chloride	17.01	91	2124657	12.148	ppbv #	90
67) sec-Butylbenzene	17.32	105	7781650	8.132	ppbv #	86
69) p-Isopropyltoluene	17.68	119	6948056	8.183	ppbv #	90
70) n-Butylbenzene	18.57	91	6635408	8.274	ppbv #	92
71) 2-Chlorotoluene	15.47	91	4739145	8.730	ppbv	79
72) 4-Ethyltoluene	15.86	105	5235390	8.738	ppbv #	92
73) 1,3,5-Trimethylbenzene	16.02	105	4859493	8.717	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.79	105	5053876	8.344	ppbv	92
75) 1,3-Dichlorobenzene	17.02	146	3740695	7.996	ppbv	92
76) 1,4-Dichlorobenzene	17.16	146	3830107m	8.308	ppbv	
77) 1,2-Dichlorobenzene	17.84	146	3702505	8.080	ppbv	92
78) Hexachloro-1,3-Butadiene	23.40	225	2501229	6.904	ppbv	99
79) Naphthalene	22.23	128	6595604	7.732	ppbv	100
80) Naphthalene, 2-methyl-	25.00	142	2899733	8.226	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.96	180	3782224	7.356	ppbv	100

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

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