

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035420.D
 Acq On : 17 Aug 2020 14:10
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:05:35 AM

Quant Time: Aug 17 16:08:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 2020
 QLast Update : Mon Aug 17 09:05:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1092045	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	5098776	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5332271m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3698153	8.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1715517	11.831	ppbv	98
3) Chlorodifluoromethane	2.99	51	1215881	8.688	ppbv	92
4) Chloromethane	3.14	50	644882	8.748	ppbv	95
5) Vinyl Chloride	3.26	62	770583	10.290	ppbv	95
6) Bromomethane	3.47	94	686449	16.712	ppbv	96
7) Chloroethane	3.56	64	286016	11.512	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	2255724	13.645	ppbv #	56
9) Propene	3.01	41	482719	7.270	ppbv	99
10) Heptane	8.14	43	1306855	7.786	ppbv #	79
11) Trichlorofluoromethane	3.95	101	2785633	16.005	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2109733	18.615	ppbv #	77
13) Ethanol	3.61	45	128980	6.083	ppbv	100
14) Bromoethene	3.74	108	970325	19.512	ppbv #	95
15) Acetone	3.85	43	997005	6.938	ppbv #	81
16) 1,3-Butadiene	3.33	39	464857	7.062	ppbv #	65
17) tert-Butyl alcohol	4.30	59	1540827	11.297	ppbv	99
18) 1,1-Dichloroethene	4.29	96	972610	19.098	ppbv #	60
19) Isopropyl Alcohol	3.98	45	800400	7.898	ppbv #	98
20) Methylene Chloride	4.35	84	799081	14.990	ppbv #	65
21) Allyl Chloride	4.42	41	613997	7.312	ppbv #	82
22) trans-1,2-Dichloroethene	4.89	96	1027289	20.250	ppbv #	63
23) Vinyl Acetate	5.08	43	1717397	8.153	ppbv #	94
24) 1,1-Dichloroethane	5.02	63	1605551	10.692	ppbv #	93
25) Ethyl Acetate	5.69	43	2125068	7.384	ppbv #	93
26) Hexane	5.70	57	1206384	9.648	ppbv #	75
27) Carbon Disulfide	4.56	76	2003527	16.457	ppbv #	85
28) Methyl tert-Butyl Ether	5.04	73	2315854	12.002	ppbv	92
29) Chloroform	5.77	83	2476403	12.896	ppbv	98
30) Cyclohexane	7.15	84	1428977	14.394	ppbv #	60
31) cis-1,2-Dichloroethene	5.56	61	1327874	10.426	ppbv #	62
32) 1,1,1-Trichloroethane	6.53	97	2534162	13.237	ppbv #	89
34) 2-Butanone	5.26	43	1501738	3.819	ppbv #	74
35) Carbon Tetrachloride	7.04	117	2712552	7.161	ppbv	97
36) Benzene	6.91	78	3260723	6.301	ppbv #	93
37) 1,2-Dichloroethane	6.32	62	1498398	4.695	ppbv #	89
38) Trichloroethene	7.85	130	1811204	9.053	ppbv #	83
39) 1,2-Dichloropropane	7.64	63	1086545	5.210	ppbv #	83
40) 1,4-Dioxane	7.85	88	599272	7.428	ppbv #	20
41) Tetrahydrofuran	6.06	42	866068	3.917	ppbv #	62
42) Bromodichloromethane	7.81	83	2660414	6.519	ppbv #	96
43) Methyl Methacrylate	8.03	69	1349199	5.991	ppbv #	58

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4103901	4.537	ppbv #	92
45) t-1,3-Dichloropropene	9.30	75	1574075	6.652	ppbv	96
46) cis-1,3-Dichloropropene	8.73	75	1855417	6.476	ppbv #	75
47) 1,1,2-Trichloroethane	9.50	97	1619694	7.724	ppbv	93
48) Dibromochloromethane	10.33	129	3006523	9.845	ppbv	99
49) Bromoform	13.07	173	3014697	12.557	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2185205	3.841	ppbv #	82
51) 2-Hexanone	10.16	43	1884259	3.902	ppbv #	77
52) Tetrachloroethene	11.25	164	1966963	10.686	ppbv #	84
53) Toluene	9.83	91	4206745	7.138	ppbv	98
54) 1,2-Dibromoethane	10.64	107	2633100	8.136	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.16	131	2312198	8.812	ppbv	99
57) Chlorobenzene	12.18	112	3683920	7.650	ppbv #	80
58) Ethyl Benzene	12.74	91	5485078	6.213	ppbv #	84
59) m/p-Xylene	13.03	91	9206454m	12.500	ppbv	
60) o-Xylene	13.73	91	4472531	6.171	ppbv	85
61) Styrene	13.56	104	3848174	7.774	ppbv #	89
62) Isopropylbenzene	14.70	105	7016744	6.560	ppbv #	87
63) 1,1,2,2-Tetrachloroethane	13.71	83	3097589	5.508	ppbv	97
64) n-propylbenzene	15.60	120	2327422	8.584	ppbv #	46
65) tert-Butylbenzene	16.78	119	6842416	7.467	ppbv #	81
66) Benzyl Chloride	17.03	91	2390521	7.966	ppbv #	87
67) sec-Butylbenzene	17.33	105	8683690	6.417	ppbv #	83
69) p-Isopropyltoluene	17.69	119	7872709	7.145	ppbv #	88
70) n-Butylbenzene	18.59	91	7392881	5.739	ppbv #	90
71) 2-Chlorotoluene	15.49	91	5315618	6.074	ppbv	77
72) 4-Ethyltoluene	15.88	105	5870645	6.913	ppbv #	90
73) 1,3,5-Trimethylbenzene	16.03	105	5441923	6.788	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.80	105	5664695	6.599	ppbv #	89
75) 1,3-Dichlorobenzene	17.03	146	4392344	9.400	ppbv	91
76) 1,4-Dichlorobenzene	17.18	146	4443348	9.273	ppbv	91
77) 1,2-Dichlorobenzene	17.85	146	4359369	9.260	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	3338344	9.232	ppbv	98
79) Naphthalene	22.25	128	8221225	8.204	ppbv	97
80) Naphthalene, 2-methyl-	25.00	142	4064605	9.721	ppbv #	92
81) 1,2,4-Trichlorobenzene	21.98	180	4960539	10.444	ppbv	99

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

