

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036095.D
 Acq On : 8 Dec 2020 10:57
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:54:01 AM

Quant Time: Dec 08 12:14:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1233154	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2662664	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2552747m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2134964	10.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1301082	9.054 ppbv	97
3) Chlorodifluoromethane	2.99	51	1491852	10.603 ppbv	100
4) Chloromethane	3.14	50	710605	10.287 ppbv	99
5) Vinyl Chloride	3.26	62	702167	9.137 ppbv	93
6) Bromomethane	3.48	94	384402	9.694 ppbv	86
7) Chloroethane	3.56	64	252154	9.632 ppbv #	88
8) Dichlorotetrafluoroethane	3.19	85	1615948	10.118 ppbv	91
9) Propene	3.01	41	692473	9.825 ppbv	99
10) Heptane	8.14	43	1783212	9.906 ppbv	100
11) Trichlorofluoromethane	3.96	101	1686401	9.981 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1072222	9.344 ppbv	96
13) Ethanol	3.62	45	106505	10.962 ppbv	96
14) Bromoethene	3.75	108	463908	9.855 ppbv	96
15) Acetone	3.86	43	1433855	9.675 ppbv	99
16) 1,3-Butadiene	3.33	39	720522	9.653 ppbv	99
17) tert-Butyl alcohol	4.30	59	1135868	7.912 ppbv	100
18) 1,1-Dichloroethene	4.29	96	471376	9.252 ppbv	97
19) Isopropyl Alcohol	3.98	45	847119	9.352 ppbv #	100
20) Methylene Chloride	4.35	84	432509	7.122 ppbv	98
21) Allyl Chloride	4.42	41	855634	8.683 ppbv	93
22) trans-1,2-Dichloroethene	4.90	96	477890	9.369 ppbv	98
23) Vinyl Acetate	5.09	43	1918590	9.723 ppbv #	98
24) 1,1-Dichloroethane	5.02	63	1325545	9.551 ppbv	98
25) Ethyl Acetate	5.69	43	2936083	9.916 ppbv	99
26) Hexane	5.70	57	1210906	9.087 ppbv	99
27) Carbon Disulfide	4.56	76	1177327	8.890 ppbv	96
28) Methyl tert-Butyl Ether	5.04	73	1701243	8.980 ppbv	99
29) Chloroform	5.77	83	1815367	10.374 ppbv	98
30) Cyclohexane	7.14	84	961525	9.823 ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1258251	10.388 ppbv	95
32) 1,1,1-Trichloroethane	6.53	97	1756239	9.726 ppbv	99
34) 2-Butanone	5.26	43	1855909	10.508 ppbv	100
35) Carbon Tetrachloride	7.03	117	1687405	10.867 ppbv	97
36) Benzene	6.91	78	2480560	10.993 ppbv	98
37) 1,2-Dichloroethane	6.32	62	1522851	11.646 ppbv	99
38) Trichloroethene	7.85	130	747309	8.859 ppbv	89
39) 1,2-Dichloropropane	7.63	63	992556	11.138 ppbv	94
40) 1,4-Dioxane	7.84	88	329993m	11.773 ppbv	
41) Tetrahydrofuran	6.06	42	1106784	10.548 ppbv	98
42) Bromodichloromethane	7.81	83	1975472	11.338 ppbv	99
43) Methyl Methacrylate	8.03	69	1108446	11.450 ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4360334	10.670	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1155095	11.614	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	1417552	11.372	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	934900	10.905	ppbv	99
48) Dibromochloromethane	10.33	129	1431251	11.055	ppbv	98
49) Bromoform	13.06	173	1165788	11.440	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2905111	11.029	ppbv	99
51) 2-Hexanone	10.15	43	2361529	11.470	ppbv #	100
52) Tetrachloroethene	11.25	164	738759	9.044	ppbv	97
53) Toluene	9.83	91	2756117	10.877	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1383029	10.762	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1083103	10.233	ppbv	95
57) Chlorobenzene	12.17	112	1845199	10.296	ppbv	96
58) Ethyl Benzene	12.74	91	3744504	10.704	ppbv	99
59) m/p-Xylene	13.02	91	6276647m	21.302	ppbv	
60) o-Xylene	13.72	91	2954718	10.643	ppbv	98
61) Styrene	13.55	104	2043889	11.467	ppbv	97
62) Isopropylbenzene	14.69	105	4264525	10.363	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	1995056	10.671	ppbv	100
64) n-propylbenzene	15.59	120	1051369	10.620	ppbv	88
65) tert-Butylbenzene	16.77	119	3507875	10.415	ppbv	95
66) Benzyl Chloride	17.02	91	1080864	12.887	ppbv	97
67) sec-Butylbenzene	17.32	105	5125932	10.874	ppbv	98
69) p-Isopropyltoluene	17.68	119	4062807	10.835	ppbv	98
70) n-Butylbenzene	18.57	91	4449505	12.006	ppbv	98
71) 2-Chlorotoluene	15.48	91	3481018	11.191	ppbv	96
72) 4-Ethyltoluene	15.86	105	3344916	11.123	ppbv	97
73) 1,3,5-Trimethylbenzene	16.02	105	3145950	10.953	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	3158661	10.956	ppbv #	90
75) 1,3-Dichlorobenzene	17.02	146	1562348	10.826	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	1564041	10.645	ppbv	96
77) 1,2-Dichlorobenzene	17.84	146	1526725	11.080	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	915200	8.287	ppbv	100
79) Naphthalene	22.23	128	1657986	11.314	ppbv #	95
80) Naphthalene, 2-methyl-	25.00	142	658250	20.087	ppbv	94
81) 1,2,4-Trichlorobenzene	21.96	180	943590	9.637	ppbv #	100

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

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