

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035262.D
 Acq On : 30 Jul 2020 1:31
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/30/2020 6:11:36 PM

Quant Time: Jul 30 05:07:21 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	5.66	49	1312358	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3158743	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3157226	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2459082	9.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1515828	9.671 ppbv	99
3) Chlorodifluoromethane	2.94	51	1311014	9.025 ppbv	100
4) Chloromethane	3.10	50	753361	9.215 ppbv	97
5) Vinyl Chloride	3.22	62	765750	8.993 ppbv	99
6) Bromomethane	3.44	94	479644	9.119 ppbv	100
7) Chloroethane	3.52	64	285719	9.296 ppbv	97
8) Dichlorotetrafluoroethane	3.15	85	1805704	9.080 ppbv	99
9) Propene	2.97	41	496115	9.797 ppbv	99
10) Heptane	8.14	43	1492478	10.888 ppbv	100
11) Trichlorofluoromethane	3.92	101	1929617	9.153 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1340610	8.966 ppbv	100
13) Ethanol	3.57	45	125550	6.092 ppbv	92
14) Bromoethene	3.71	108	582070	9.539 ppbv	98
15) Acetone	3.82	43	1449811	8.282 ppbv	99
16) 1,3-Butadiene	3.29	39	683280	10.006 ppbv	97
17) tert-Butyl alcohol	4.27	59	1586545	9.391 ppbv	99
18) 1,1-Dichloroethene	4.27	96	619981	9.339 ppbv	94
19) Isopropyl Alcohol	3.94	45	1027227	8.898 ppbv	99
20) Methylene Chloride	4.32	84	577294	7.245 ppbv	99
21) Allyl Chloride	4.39	41	970040	9.730 ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	606466	9.507 ppbv	96
23) Vinyl Acetate	5.06	43	1794535	10.202 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1545622	9.422 ppbv	100
25) Ethyl Acetate	5.67	43	2651696	9.700 ppbv	99
26) Hexane	5.68	57	1179076	9.561 ppbv	98
27) Carbon Disulfide	4.53	76	1610092	9.664 ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1810834	10.272 ppbv	99
29) Chloroform	5.75	83	1901002	9.191 ppbv	98
30) Cyclohexane	7.14	84	992489	11.259 ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1127872	10.492 ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	1886123	8.909 ppbv	99
34) 2-Butanone	5.23	43	1562654	9.723 ppbv	99
35) Carbon Tetrachloride	7.03	117	1987789	9.399 ppbv	98
36) Benzene	6.90	78	2297204	10.464 ppbv	99
37) 1,2-Dichloroethane	6.31	62	1490800	9.715 ppbv	100
38) Trichloroethene	7.85	130	977876	10.748 ppbv	98
39) 1,2-Dichloropropane	7.63	63	909795	10.387 ppbv	98
40) 1,4-Dioxane	7.84	88	381490	11.061 ppbv	# 1
41) Tetrahydrofuran	6.04	42	846005	10.740 ppbv	99
42) Bromodichloromethane	7.81	83	2051868	10.018 ppbv	97
43) Methyl Methacrylate	8.03	69	1077331	11.327 ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4089945	10.574	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1169484	12.203	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1377836	11.801	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1025757	9.914	ppbv	97
48) Dibromochloromethane	10.34	129	1729820	10.616	ppbv	100
49) Bromoform	13.09	173	1580965	10.792	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2501975	10.742	ppbv	100
51) 2-Hexanone	10.16	43	2024030	11.459	ppbv	98
52) Tetrachloroethene	11.26	164	880574	10.513	ppbv	96
53) Toluene	9.83	91	2729637	11.700	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1545995	10.334	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.16	131	1362923	9.389	ppbv	99
57) Chlorobenzene	12.18	112	2241974	9.438	ppbv	96
58) Ethyl Benzene	12.75	91	3783389	11.315	ppbv	98
59) m/p-Xylene	13.04	91	6418971m	20.620	ppbv	
60) o-Xylene	13.74	91	3279920m	10.560	ppbv	
61) Styrene	13.57	104	2272736	12.055	ppbv	100
62) Isopropylbenzene	14.71	105	4798773	10.381	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	2400212	8.981	ppbv	99
64) n-propylbenzene	15.61	120	1309686	10.655	ppbv	98
65) tert-Butylbenzene	16.80	119	4302682	10.274	ppbv	99
66) Benzyl Chloride	17.04	91	1671710	10.191	ppbv	99
67) sec-Butylbenzene	17.34	105	6143077	10.039	ppbv	100
69) p-Isopropyltoluene	17.70	119	5135327	10.288	ppbv	100
70) n-Butylbenzene	18.60	91	5387384	9.976	ppbv	99
71) 2-Chlorotoluene	15.50	91	3713873	10.654	ppbv	100
72) 4-Ethyltoluene	15.89	105	3910106	11.185	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	3631691	10.653	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	3868384	9.747	ppbv	98
75) 1,3-Dichlorobenzene	17.05	146	2259888	8.819	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	2249129	9.703	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	2172928	9.467	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1437676	7.652	ppbv	99
79) Naphthalene	22.27	128	3062366	9.704	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	865299	8.472	ppbv	98
81) 1,2,4-Trichlorobenzene	22.00	180	1755262	9.137	ppbv	100

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

