

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035505.D
 Acq On : 27 Aug 2020 2:10
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:17:21 PM

Quant Time: Aug 27 05:40:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 05:32:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1083682	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4765920	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5123509	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3535637	9.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1609667	8.122	ppbv 100
3) Chlorodifluoromethane	2.99	51	1144535	9.354	ppbv 100
4) Chloromethane	3.14	50	625867	9.827	ppbv 100
5) Vinyl Chloride	3.26	62	731167	9.766	ppbv 100
6) Bromomethane	3.48	94	651056	9.483	ppbv 100
7) Chloroethane	3.56	64	273883	9.577	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	2117227	8.999	ppbv 100
9) Propene	3.01	41	443743	9.323	ppbv 100
10) Heptane	8.14	43	1236313	9.754	ppbv 100
11) Trichlorofluoromethane	3.96	101	2560893	8.957	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1965308	9.210	ppbv 100
13) Ethanol	3.61	45	104885	7.855	ppbv 100
14) Bromoethene	3.75	108	886302	9.547	ppbv 100
15) Acetone	3.85	43	1071952	9.222	ppbv 100
16) 1,3-Butadiene	3.33	39	443667	9.611	ppbv 100
17) tert-Butyl alcohol	4.30	59	1473076	9.958	ppbv 100
18) 1,1-Dichloroethene	4.29	96	904570	9.576	ppbv 100
19) Isopropyl Alcohol	3.98	45	732931	9.757	ppbv 99
20) Methylene Chloride	4.35	84	716852	5.785	ppbv 100
21) Allyl Chloride	4.42	41	595927	10.169	ppbv 100
22) trans-1,2-Dichloroethene	4.90	96	948234	9.504	ppbv 100
23) Vinyl Acetate	5.09	43	1583203	10.350	ppbv 100
24) 1,1-Dichloroethane	5.02	63	1518185	9.459	ppbv 100
25) Ethyl Acetate	5.69	43	1998587	9.078	ppbv 100
26) Hexane	5.70	57	1132311	8.457	ppbv 100
27) Carbon Disulfide	4.56	76	1893632	10.643	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	2121659	9.768	ppbv 100
29) Chloroform	5.77	83	2343427	9.233	ppbv 100
30) Cyclohexane	7.15	84	1333301	9.922	ppbv 100
31) cis-1,2-Dichloroethene	5.56	61	1238845	9.800	ppbv 100
32) 1,1,1-Trichloroethane	6.53	97	2346070	10.125	ppbv 100
34) 2-Butanone	5.26	43	1403596	9.963	ppbv 100
35) Carbon Tetrachloride	7.04	117	2485493	10.718	ppbv 100
36) Benzene	6.91	78	3035695	9.682	ppbv 100
37) 1,2-Dichloroethane	6.32	62	1421184	9.572	ppbv 100
38) Trichloroethene	7.86	130	1637917	9.455	ppbv 100
39) 1,2-Dichloropropane	7.64	63	1019833	9.715	ppbv 100
40) 1,4-Dioxane	7.85	88	556984	10.772	ppbv 100
41) Tetrahydrofuran	6.06	42	794168	10.403	ppbv 100
42) Bromodichloromethane	7.81	83	2484612	10.248	ppbv 100
43) Methyl Methacrylate	8.03	69	1266004	10.428	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3899942	9.496	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1443079	11.620	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	1707066	11.091	ppbv	100
47) 1,1,2-Trichloroethane	9.50	97	1506566	9.601	ppbv	100
48) Dibromochloromethane	10.33	129	2666832	10.704	ppbv	100
49) Bromoform	13.07	173	2561828	11.097	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2088756	10.291	ppbv	100
51) 2-Hexanone	10.16	43	1815643	10.914	ppbv	100
52) Tetrachloroethene	11.25	164	1699866	9.340	ppbv	100
53) Toluene	9.83	91	3909244	9.853	ppbv	100
54) 1,2-Dibromoethane	10.64	107	2422223	9.726	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	2079375	9.719	ppbv	97
57) Chlorobenzene	12.18	112	3392555	8.903	ppbv	100
58) Ethyl Benzene	12.74	91	5098526	9.394	ppbv	100
59) m/p-Xylene	13.02	91	8235996m	17.852	ppbv	
60) o-Xylene	13.73	91	4219268	9.285	ppbv	100
61) Styrene	13.56	104	3518526	10.053	ppbv	100
62) Isopropylbenzene	14.70	105	6519491	8.874	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2966680	8.932	ppbv	100
64) n-propylbenzene	15.60	120	2116991	9.469	ppbv	100
65) tert-Butylbenzene	16.78	119	6214735	8.910	ppbv	100
66) Benzyl Chloride	17.03	91	2184470	12.874	ppbv	100
67) sec-Butylbenzene	17.33	105	8029544	8.657	ppbv	100
69) p-Isopropyltoluene	17.69	119	7172510	8.875	ppbv	100
70) n-Butylbenzene	18.59	91	6913396	8.907	ppbv	100
71) 2-Chlorotoluene	15.49	91	4967408	9.342	ppbv	100
72) 4-Ethyltoluene	15.88	105	5473410	9.443	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	5042081	9.405	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	5264753	8.952	ppbv	100
75) 1,3-Dichlorobenzene	17.03	146	3879534	8.804	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	3930645	8.930	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	3812543	8.783	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	2405866	8.074	ppbv	100
79) Naphthalene	22.25	128	6499301	8.879	ppbv	100
80) Naphthalene, 2-methyl-	25.00	142	2623612	9.120	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	3715876	8.634	ppbv	100

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

