

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035321.D
 Acq On : 3 Aug 2020 16:08
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

apatel
 8/6/2020 2:44:59 PM

Quant Time: Aug 03 16:40:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 03 2020
 QLast Update : Mon Aug 03 15:02:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1526288	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3642030	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3633581	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3066762	10.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1938346	10.633	ppbv	100
3) Chlorodifluoromethane	2.94	51	2099019	12.424	ppbv	97
4) Chloromethane	3.09	50	1197209	12.592	ppbv	99
5) Vinyl Chloride	3.21	62	1249587	12.618	ppbv	97
6) Bromomethane	3.43	94	800914	13.093	ppbv	94
7) Chloroethane	3.52	64	473920	13.258	ppbv	95
8) Dichlorotetrafluoroethane	3.14	85	2631271	11.376	ppbv	99
9) Propene	2.96	41	800237	13.588	ppbv	100
10) Heptane	8.13	43	2432032	15.256	ppbv	98
11) Trichlorofluoromethane	3.91	101	3091259	12.607	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2227373	12.809	ppbv	97
13) Ethanol	3.56	45	230944	9.635	ppbv	99
14) Bromoethene	3.70	108	990245	13.954	ppbv	99
15) Acetone	3.81	43	2351164	11.549	ppbv	100
16) 1,3-Butadiene	3.28	39	1109078	13.966	ppbv	100
17) tert-Butyl alcohol	4.26	59	2568410	13.072	ppbv	99
18) 1,1-Dichloroethene	4.26	96	1044872	13.533	ppbv	97
19) Isopropyl Alcohol	3.93	45	1758562	13.097	ppbv	99
20) Methylene Chloride	4.31	84	916770	9.893	ppbv	99
21) Allyl Chloride	4.38	41	1662474	14.339	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	1031919	13.909	ppbv	98
23) Vinyl Acetate	5.05	43	2994248	14.637	ppbv	98
24) 1,1-Dichloroethane	4.99	63	2499693	13.102	ppbv	99
25) Ethyl Acetate	5.66	43	4280392	13.464	ppbv	99
26) Hexane	5.67	57	1969154	13.729	ppbv	98
27) Carbon Disulfide	4.52	76	2709491	13.983	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2977313	14.521	ppbv	100
29) Chloroform	5.74	83	3161139	13.141	ppbv	95
30) Cyclohexane	7.13	84	1628275	15.883	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1955763	15.643	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	3145193	12.774	ppbv	99
34) 2-Butanone	5.22	43	2597294	14.016	ppbv	100
35) Carbon Tetrachloride	7.02	117	3330471	13.657	ppbv	99
36) Benzene	6.89	78	3774223	14.911	ppbv	98
37) 1,2-Dichloroethane	6.30	62	2467592	13.946	ppbv	100
38) Trichloroethene	7.84	130	1617111	15.415	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1491223	14.766	ppbv	98
40) 1,4-Dioxane	7.83	88	631133	15.871	ppbv	83
41) Tetrahydrofuran	6.04	42	1416582	15.597	ppbv	97
42) Bromodichloromethane	7.80	83	3414739	14.459	ppbv	96
43) Methyl Methacrylate	8.02	69	1808371	16.490	ppbv	100

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

44) 2,2,4-Trimethylpentane	7.87	57	6462948	14.492	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	2082760	18.849	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	2416291	17.949	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1692273	14.186	ppbv	98
48) Dibromochloromethane	10.33	129	2965682	15.785	ppbv	99
49) Bromoform	13.08	173	2731692	16.173	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	4109778	15.304	ppbv	99
51) 2-Hexanone	10.15	43	3376432	16.579	ppbv #	99
52) Tetrachloroethene	11.25	164	1477680	15.301	ppbv	94
53) Toluene	9.83	91	4557165	16.941	ppbv	99
54) 1,2-Dibromoethane	10.64	107	2640616	15.309	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	2227507	13.333	ppbv	96
57) Chlorobenzene	12.18	112	3662337	13.395	ppbv	98
58) Ethyl Benzene	12.74	91	6176925	16.051	ppbv	97
59) m/p-Xylene	13.03	91	10495388m	29.296	ppbv	
60) o-Xylene	13.73	91	5290917	14.801	ppbv	100
61) Styrene	13.56	104	3792764	17.481	ppbv	98
62) Isopropylbenzene	14.70	105	7600410	14.286	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	3869530	12.581	ppbv	98
64) n-propylbenzene	15.60	120	2186325	15.456	ppbv	89
65) tert-Butylbenzene	16.79	119	6932749	14.384	ppbv	100
66) Benzyl Chloride	17.03	91	3130465	16.583	ppbv	100
67) sec-Butylbenzene	17.34	105	9454810	13.426	ppbv	97
69) p-Isopropyltoluene	17.70	119	8134411	14.159	ppbv	98
70) n-Butylbenzene	18.59	91	8650270	13.918	ppbv	98
71) 2-Chlorotoluene	15.49	91	6021130	15.009	ppbv	98
72) 4-Ethyltoluene	15.88	105	6266241	15.575	ppbv	98
73) 1,3,5-Trimethylbenzene	16.04	105	5941660	15.143	ppbv	95
74) 1,2,4-Trimethylbenzene	16.81	105	6199827	13.574	ppbv	93
75) 1,3-Dichlorobenzene	17.04	146	3728547	12.643	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	3752770	14.068	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	3618961	13.700	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2831001	13.093	ppbv	99
79) Naphthalene	22.26	128	5872846	16.169	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	2330634	19.827	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	3305957	14.953	ppbv	100

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

