

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080520\
 Data File : VL035334.D
 Acq On : 5 Aug 2020 9:20
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 12:48:51 PM

Quant Time: Aug 05 10:07:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05
 QLast Update : Wed Aug 05 09:32:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1448294	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3644616	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3536752	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2866300	9.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	349626	1.845 ppbv	98
3) Chlorodifluoromethane	2.94	51	356267	2.140 ppbv	97
4) Chloromethane	3.10	50	200685	2.111 ppbv	91
5) Vinyl Chloride	3.21	62	199302	2.154 ppbv	100
6) Bromomethane	3.43	94	122168	2.007 ppbv	89
7) Chloroethane	3.51	64	75485	2.052 ppbv	94
8) Dichlorotetrafluoroethane	3.14	85	480443	2.102 ppbv	99
9) Propene	2.96	41	127447	2.119 ppbv	98
10) Heptane	8.12	43	328377	2.127 ppbv	99
11) Trichlorofluoromethane	3.92	101	526784	2.128 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	373180	2.163 ppbv	97
13) Ethanol	3.56	45	48950m	2.203 ppbv	
14) Bromoethene	3.70	108	149748	2.108 ppbv	99
15) Acetone	3.82	43	445894	2.129 ppbv	94
16) 1,3-Butadiene	3.28	39	160378	2.053 ppbv	93
17) tert-Butyl alcohol	4.26	59	408634	2.142 ppbv	99
18) 1,1-Dichloroethene	4.26	96	163630	2.107 ppbv	92
19) Isopropyl Alcohol	3.93	45	284342	2.161 ppbv #	98
20) Methylene Chloride	4.31	84	178286	1.864 ppbv	90
21) Allyl Chloride	4.38	41	254785	2.148 ppbv	96
22) trans-1,2-Dichloroethene	4.86	96	150099	1.948 ppbv	97
23) Vinyl Acetate	5.05	43	441907	2.129 ppbv #	96
24) 1,1-Dichloroethane	4.99	63	395781	2.050 ppbv	99
25) Ethyl Acetate	5.66	43	683491	2.159 ppbv	99
26) Hexane	5.67	57	306749	2.164 ppbv	99
27) Carbon Disulfide	4.52	76	398247	2.088 ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	436123	2.048 ppbv	100
29) Chloroform	5.73	83	498362	2.079 ppbv	93
30) Cyclohexane	7.13	84	218400	2.054 ppbv	94
31) cis-1,2-Dichloroethene	5.53	61	262007	2.004 ppbv	94
32) 1,1,1-Trichloroethane	6.50	97	470509	2.029 ppbv	99
34) 2-Butanone	5.23	43	406369	2.118 ppbv	97
35) Carbon Tetrachloride	7.01	117	500339	2.123 ppbv	93
36) Benzene	6.89	78	542119	2.029 ppbv	96
37) 1,2-Dichloroethane	6.30	62	367939	2.033 ppbv	100
38) Trichloroethene	7.84	130	228345	2.326 ppbv	97
39) 1,2-Dichloropropane	7.62	63	218234	2.072 ppbv	90
40) 1,4-Dioxane	7.85	88	89895m	1.966 ppbv	
41) Tetrahydrofuran	6.04	42	205189	2.168 ppbv	94
42) Bromodichloromethane	7.79	83	491263	1.989 ppbv	98
43) Methyl Methacrylate	8.02	69	229353	2.054 ppbv	100

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44) 2,2,4-Trimethylpentane	7.87	57	990317	2.163	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	212597	1.784	ppbv #	81
46) cis-1,3-Dichloropropene	8.72	75	267403	1.874	ppbv	95
47) 1,1,2-Trichloroethane	9.49	97	258413m	2.114	ppbv	
48) Dibromochloromethane	10.32	129	417923	2.102	ppbv	98
49) Bromoform	13.06	173	374425m	2.162	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	623932	2.302	ppbv	99
51) 2-Hexanone	10.15	43	498060	2.375	ppbv #	96
52) Tetrachloroethene	11.24	164	204733	2.175	ppbv	94
53) Toluene	9.82	91	595176	2.118	ppbv	99
54) 1,2-Dibromoethane	10.63	107	359910	1.989	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.15	131	344681	2.077	ppbv #	1
57) Chlorobenzene	12.17	112	556841	2.057	ppbv	96
58) Ethyl Benzene	12.73	91	831489	2.146	ppbv	98
59) m/p-Xylene	13.01	91	1525057m	4.265	ppbv	
60) o-Xylene	13.72	91	779528	2.205	ppbv	96
61) Styrene	13.55	104	469021	2.158	ppbv	98
62) Isopropylbenzene	14.70	105	1135599	2.130	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.70	83	583290	2.104	ppbv	100
64) n-propylbenzene	15.59	120	291716	2.091	ppbv	79
65) tert-Butylbenzene	16.78	119	1063734	2.228	ppbv	97
66) Benzyl Chloride	17.02	91	374523	2.029	ppbv	98
67) sec-Butylbenzene	17.33	105	1536395	2.276	ppbv	96
69) p-Isopropyltoluene	17.69	119	1255570	2.248	ppbv	99
70) n-Butylbenzene	18.59	91	1344159	2.237	ppbv	96
71) 2-Chlorotoluene	15.48	91	856874	2.153	ppbv	96
72) 4-Ethyltoluene	15.87	105	867504	2.175	ppbv	98
73) 1,3,5-Trimethylbenzene	16.03	105	843367	2.159	ppbv	93
74) 1,2,4-Trimethylbenzene	16.80	105	952500	2.126	ppbv	98
75) 1,3-Dichlorobenzene	17.03	146	585935	2.103	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	540873	2.051	ppbv	98
77) 1,2-Dichlorobenzene	17.85	146	544396	2.119	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	475363	2.278	ppbv	99
79) Naphthalene	22.26	128	697075	1.966	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	58540	0.562	ppbv	91
81) 1,2,4-Trichlorobenzene	21.98	180	437707m	2.029	ppbv	

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

