

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081220\
 Data File : VL035383.D
 Acq On : 12 Aug 2020 13:17
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:43:48 PM

Quant Time: Aug 12 15:34:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 15:34:05 2020
 QLast Update : Wed Aug 12 15:19:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1400344	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3299148	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3193252	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2555180	9.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	187340	1.006 ppbv	92
3) Chlorodifluoromethane	2.98	51	178471	1.116 ppbv	100
4) Chloromethane	3.13	50	99544	1.100 ppbv	90
5) Vinyl Chloride	3.25	62	88684	0.953 ppbv	96
6) Bromomethane	3.47	94	49401	0.866 ppbv #	80
7) Chloroethane	3.55	64	34263	0.991 ppbv	92
8) Dichlorotetrafluoroethane	3.18	85	218263	0.991 ppbv	99
9) Propene	3.01	41	91932	1.614 ppbv	94
10) Heptane	8.13	43	235074	1.616 ppbv	99
11) Trichlorofluoromethane	3.95	101	221904	0.920 ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	152012	0.881 ppbv	95
13) Ethanol	3.61	45	33776m	1.719 ppbv	
14) Bromoethene	3.74	108	65978	0.954 ppbv	97
15) Acetone	3.86	43	194440	0.978 ppbv	95
16) 1,3-Butadiene	3.32	39	101321m	1.324 ppbv	
17) tert-Butyl alcohol	4.30	59	223906	1.227 ppbv	98
18) 1,1-Dichloroethene	4.28	96	67402	0.910 ppbv	95
19) Isopropyl Alcohol	3.97	45	150716	1.196 ppbv #	46
20) Methylene Chloride	4.35	84	74205	0.915 ppbv	97
21) Allyl Chloride	4.41	41	123182	1.081 ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	65584	0.913 ppbv	91
23) Vinyl Acetate	5.08	43	306449	1.607 ppbv #	96
24) 1,1-Dichloroethane	5.01	63	197807	1.104 ppbv	97
25) Ethyl Acetate	5.69	43	398134	1.318 ppbv	99
26) Hexane	5.69	57	173910	1.327 ppbv	99
27) Carbon Disulfide	4.55	76	170560	0.931 ppbv	96
28) Methyl tert-Butyl Ether	5.05	73	280802	1.473 ppbv	99
29) Chloroform	5.75	83	249212	1.103 ppbv	99
30) Cyclohexane	7.14	84	138197	1.391 ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	169444	1.454 ppbv	94
32) 1,1,1-Trichloroethane	6.52	97	248292	1.046 ppbv	99
34) 2-Butanone	5.25	43	259692	1.599 ppbv	97
35) Carbon Tetrachloride	7.02	117	237420	1.046 ppbv	97
36) Benzene	6.90	78	344541	1.547 ppbv	96
37) 1,2-Dichloroethane	6.31	62	191832	1.233 ppbv	98
38) Trichloroethene	7.84	130	128066	1.246 ppbv	93
39) 1,2-Dichloropropane	7.62	63	137251m	1.522 ppbv	
40) 1,4-Dioxane	7.87	88	63048m	1.632 ppbv	
41) Tetrahydrofuran	6.06	42	158260m	1.985 ppbv	
42) Bromodichloromethane	7.80	83	263483	1.261 ppbv	92
43) Methyl Methacrylate	8.03	69	148838	1.588 ppbv	95

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44) 2,2,4-Trimethylpentane	7.88	57	619394	1.565	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	169369	1.742	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	199749	1.701	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	133274	1.229	ppbv	93
48) Dibromochloromethane	10.31	129	217514	1.225	ppbv	97
49) Bromoform	13.06	173	170328	1.052	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	384290	1.549	ppbv	98
51) 2-Hexanone	10.16	43	326777	1.681	ppbv #	99
52) Tetrachloroethene	11.24	164	112120	1.269	ppbv	94
53) Toluene	9.82	91	412602	1.703	ppbv	98
54) 1,2-Dibromoethane	10.63	107	220520	1.417	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	169975	1.128	ppbv #	1
57) Chlorobenzene	12.16	112	308529	1.283	ppbv	97
58) Ethyl Benzene	12.73	91	581261	1.749	ppbv	91
59) m/p-Xylene	12.99	91	978718m	3.163	ppbv	
60) o-Xylene	13.71	91	465900	1.517	ppbv	98
61) Styrene	13.54	104	336266m	1.793	ppbv	
62) Isopropylbenzene	14.69	105	700542	1.515	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	321761	1.228	ppbv	100
64) n-propylbenzene	15.58	120	178727	1.439	ppbv	79
65) tert-Butylbenzene	16.77	119	625527	1.478	ppbv	99
66) Benzyl Chloride	17.01	91	263445	1.572	ppbv	99
67) sec-Butylbenzene	17.32	105	909129	1.518	ppbv	97
69) p-Isopropyltoluene	17.68	119	760941	1.559	ppbv	98
70) n-Butylbenzene	18.58	91	842611	1.614	ppbv	96
71) 2-Chlorotoluene	15.47	91	562568	1.661	ppbv	97
72) 4-Ethyltoluene	15.86	105	563818	1.611	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	535665	1.595	ppbv	93
74) 1,2,4-Trimethylbenzene	16.79	105	578965	1.508	ppbv	94
75) 1,3-Dichlorobenzene	17.02	146	308540	1.229	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	318678m	1.370	ppbv	
77) 1,2-Dichlorobenzene	17.84	146	300931	1.298	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	262791m	1.333	ppbv	
79) Naphthalene	22.23	128	714819m	2.421	ppbv	
80) Naphthalene, 2-methyl-	24.99	142	323480	4.816	ppbv	98
81) 1,2,4-Trichlorobenzene	21.96	180	336476	1.808	ppbv	99

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

