

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035316.D
 Acq On : 3 Aug 2020 13:00
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

apatel
 8/6/2020 2:44:15 PM

Quant Time: Aug 03 15:12:03 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	5.65	49	1435187	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3544236	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3353325	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2741830	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	331716	1.935	ppbv	89
3) Chlorodifluoromethane	2.94	51	358601	2.257	ppbv	97
4) Chloromethane	3.09	50	200862	2.247	ppbv	89
5) Vinyl Chloride	3.21	62	199010	2.137	ppbv	91
6) Bromomethane	3.43	94	130961	2.277	ppbv	93
7) Chloroethane	3.51	64	75945	2.259	ppbv	97
8) Dichlorotetrafluoroethane	3.14	85	473383	2.177	ppbv	97
9) Propene	2.96	41	138824	2.507	ppbv	95
10) Heptane	8.12	43	337004	2.248	ppbv	97
11) Trichlorofluoromethane	3.91	101	521355	2.261	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	367553	2.248	ppbv	99
13) Ethanol	3.56	45	52578m	2.333	ppbv	
14) Bromoethene	3.70	108	152317	2.283	ppbv	94
15) Acetone	3.81	43	472862	2.470	ppbv	95
16) 1,3-Butadiene	3.28	39	175046	2.344	ppbv	98
17) tert-Butyl alcohol	4.26	59	392106	2.122	ppbv	100
18) 1,1-Dichloroethene	4.25	96	166487	2.293	ppbv	94
19) Isopropyl Alcohol	3.93	45	273442	2.166	ppbv #	96
20) Methylene Chloride	4.31	84	234374	2.690	ppbv	97
21) Allyl Chloride	4.38	41	259483	2.380	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	164590	2.359	ppbv	98
23) Vinyl Acetate	5.05	43	479343	2.492	ppbv #	97
24) 1,1-Dichloroethane	4.99	63	422996	2.358	ppbv	98
25) Ethyl Acetate	5.66	43	703914	2.355	ppbv	99
26) Hexane	5.67	57	331718	2.460	ppbv	96
27) Carbon Disulfide	4.52	76	410319	2.252	ppbv	96
28) Methyl tert-Butyl Ether	5.01	73	488197	2.532	ppbv	98
29) Chloroform	5.74	83	520341	2.300	ppbv	89
30) Cyclohexane	7.12	84	232325	2.410	ppbv	95
31) cis-1,2-Dichloroethene	5.53	61	290567	2.472	ppbv	94
32) 1,1,1-Trichloroethane	6.50	97	492702	2.128	ppbv	99
34) 2-Butanone	5.22	43	439165	2.435	ppbv	96
35) Carbon Tetrachloride	7.01	117	495506	2.088	ppbv	96
36) Benzene	6.88	78	584110	2.371	ppbv	98
37) 1,2-Dichloroethane	6.29	62	381059	2.213	ppbv	99
38) Trichloroethene	7.83	130	237587	2.327	ppbv	92
39) 1,2-Dichloropropane	7.62	63	231917m	2.360	ppbv	
40) 1,4-Dioxane	7.85	88	90209m	2.331	ppbv	
41) Tetrahydrofuran	6.04	42	207118	2.343	ppbv	99
42) Bromodichloromethane	7.79	83	523340	2.277	ppbv	98
43) Methyl Methacrylate	8.01	69	239444	2.244	ppbv	97

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44) 2,2,4-Trimethylpentane	7.86	57	1023471m	2.358	ppbv	
45) t-1,3-Dichloropropene	9.29	75	244492	2.274	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	297603	2.272	ppbv	90
47) 1,1,2-Trichloroethane	9.49	97	253739	2.186	ppbv	93
48) Dibromochloromethane	10.32	129	421084	2.303	ppbv	99
49) Bromoform	13.07	173	361587	2.200	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	601848	2.303	ppbv	96
51) 2-Hexanone	10.15	43	463516	2.339	ppbv #	98
52) Tetrachloroethene	11.24	164	216933	2.308	ppbv	95
53) Toluene	9.82	91	624647	2.386	ppbv	100
54) 1,2-Dibromoethane	10.63	107	382369	2.278	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.14	131	336099	2.180	ppbv #	1
57) Chlorobenzene	12.17	112	557140	2.208	ppbv	99
58) Ethyl Benzene	12.73	91	876583m	2.468	ppbv	
59) m/p-Xylene	13.02	91	1571602m	4.753	ppbv	
60) o-Xylene	13.72	91	784717	2.379	ppbv	96
61) Styrene	13.55	104	479858	2.396	ppbv	98
62) Isopropylbenzene	14.70	105	1178654	2.401	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.70	83	595836m	2.099	ppbv	
64) n-propylbenzene	15.59	120	299097	2.291	ppbv	81
65) tert-Butylbenzene	16.77	119	1069296	2.404	ppbv	97
66) Benzyl Chloride	17.02	91	364506	2.092	ppbv	99
67) sec-Butylbenzene	17.33	105	1528387	2.352	ppbv	97
69) p-Isopropyltoluene	17.68	119	1257809	2.372	ppbv	99
70) n-Butylbenzene	18.59	91	1355953	2.364	ppbv	98
71) 2-Chlorotoluene	15.48	91	896123	2.420	ppbv	97
72) 4-Ethyltoluene	15.87	105	898406	2.420	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	874453	2.415	ppbv	97
74) 1,2,4-Trimethylbenzene	16.80	105	987297	2.342	ppbv #	86
75) 1,3-Dichlorobenzene	17.03	146	583463	2.144	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	550551	2.236	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	540541	2.217	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	440302	2.207	ppbv	98
79) Naphthalene	22.26	128	793941	2.369	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	216653	1.997	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	472828m	2.317	ppbv	

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

