

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120219\
 Data File : VL034451.D
 Acq On : 3 Dec 2019 7:06
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 12/4/2019 4:47:48 PM

Quant Time: Dec 03 07:59:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	744762	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1499168	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1644285	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1286063	9.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1781245	13.220	ppbv	98
3) Chlorodifluoromethane	2.97	51	1114409	11.993	ppbv	98
4) Chloromethane	3.12	50	586913	10.708	ppbv	96
5) Vinyl Chloride	3.24	62	561243	10.929	ppbv	95
6) Bromomethane	3.46	94	324576	12.562	ppbv	90
7) Chloroethane	3.55	64	209954	11.264	ppbv	91
8) Dichlorotetrafluoroethane	3.17	85	1364402	11.277	ppbv	100
9) Propene	2.99	41	445958	10.810	ppbv	100
10) Heptane	8.16	43	1197461	11.247	ppbv	99
11) Trichlorofluoromethane	3.94	101	1538085	11.471	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1021083	11.467	ppbv	100
13) Ethanol	3.59	45	101387	8.822	ppbv	96
14) Bromoethene	3.73	108	409301	11.304	ppbv	99
15) Acetone	3.84	43	1105377	10.365	ppbv	99
16) 1,3-Butadiene	3.31	39	532145	11.455	ppbv	99
17) tert-Butyl alcohol	4.29	59	820212	9.150	ppbv	100
18) 1,1-Dichloroethene	4.29	96	449965	11.552	ppbv	93
19) Isopropyl Alcohol	3.97	45	669031	9.787	ppbv	99
20) Methylene Chloride	4.35	84	391049	10.341	ppbv	92
21) Allyl Chloride	4.41	41	761927	11.923	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	456120	11.616	ppbv	97
23) Vinyl Acetate	5.09	43	1688818	12.122	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1213976	11.344	ppbv	99
25) Ethyl Acetate	5.69	43	2064588	10.849	ppbv	100
26) Hexane	5.71	57	891501	10.902	ppbv	99
27) Carbon Disulfide	4.55	76	1111465	12.479	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1571134	11.587	ppbv	99
29) Chloroform	5.78	83	1475856	11.145	ppbv	95
30) Cyclohexane	7.17	84	708219	11.456	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	967874	11.454	ppbv	97
32) 1,1,1-Trichloroethane	6.55	97	1527664	12.304	ppbv	99
34) 2-Butanone	5.26	43	1373646	11.132	ppbv	98
35) Carbon Tetrachloride	7.05	117	1573458	12.207	ppbv	97
36) Benzene	6.93	78	1682995	11.230	ppbv	97
37) 1,2-Dichloroethane	6.34	62	1294574	11.628	ppbv	100
38) Trichloroethene	7.88	130	669116	10.880	ppbv	97
39) 1,2-Dichloropropane	7.65	63	712829	12.346	ppbv	99
40) 1,4-Dioxane	7.87	88	242718	9.624	ppbv #	98
41) Tetrahydrofuran	6.07	42	774117	11.184	ppbv	99
42) Bromodichloromethane	7.84	83	1654266	11.881	ppbv	99
43) Methyl Methacrylate	8.06	69	722173	11.618	ppbv	98

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44) 2,2,4-Trimethylpentane	7.91	57	3071193	11.214	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	957979	12.018	ppbv	97
46) cis-1,3-Dichloropropene	8.75	75	1061835	11.859	ppbv	96
47) 1,1,2-Trichloroethane	9.53	97	723112	11.259	ppbv	93
48) Dibromochloromethane	10.37	129	1364037	12.370	ppbv	100
49) Bromoform	13.11	173	1211909	12.311	ppbv	99
50) 4-Methyl-2-Pentanone	8.78	43	2073047	11.611	ppbv	100
51) 2-Hexanone	10.18	43	1735487	11.605	ppbv #	97
52) Tetrachloroethene	11.28	164	637423	9.830	ppbv	96
53) Toluene	9.86	91	1948723	11.448	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1150915	11.689	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.19	131	929187	11.553	ppbv	99
57) Chlorobenzene	12.21	112	1502594	10.109	ppbv	98
58) Ethyl Benzene	12.78	91	2728526	10.693	ppbv	96
59) m/p-Xylene	13.04	91	4600488m	20.857	ppbv	
60) o-Xylene	13.76	91	2332849	10.697	ppbv	98
61) Styrene	13.60	104	1632658	10.381	ppbv	100
62) Isopropylbenzene	14.74	105	3066899	10.633	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.75	83	1659186	10.121	ppbv	100
64) n-propylbenzene	15.64	120	798813	10.665	ppbv	98
65) tert-Butylbenzene	16.82	119	2761156	10.657	ppbv	99
66) Benzyl Chloride	17.07	91	1269850	12.740	ppbv	99
67) sec-Butylbenzene	17.37	105	3870811	10.681	ppbv	99
69) p-Isopropyltoluene	17.73	119	3197268	10.630	ppbv	100
70) n-Butylbenzene	18.63	91	3425689	10.585	ppbv	99
71) 2-Chlorotoluene	15.53	91	2407072	10.466	ppbv	100
72) 4-Ethyltoluene	15.91	105	2659476	10.554	ppbv	99
73) 1,3,5-Trimethylbenzene	16.08	105	2584985	10.480	ppbv	95
74) 1,2,4-Trimethylbenzene	16.84	105	2655827	10.136	ppbv	98
75) 1,3-Dichlorobenzene	17.08	146	1477560	9.811	ppbv	99
76) 1,4-Dichlorobenzene	17.22	146	1482312	10.136	ppbv	100
77) 1,2-Dichlorobenzene	17.90	146	1475768	10.145	ppbv	100
78) Hexachloro-1,3-Butadiene	23.46	225	1270502	10.166	ppbv	99
79) Naphthalene	22.30	128	2243307	9.876	ppbv	99
80) Naphthalene, 2-methyl-	25.04	142	579630	5.651	ppbv	99
81) 1,2,4-Trichlorobenzene	22.03	180	1270421	9.104	ppbv	100

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

