

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021319\
 Data File : VL033198.D
 Acq On : 13 Feb 2019 22:20
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

mohammad
 2/16/2019 1:27:45 AM

Quant Time: Feb 14 06:13:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 0
 QLast Update : Wed Feb 06 09:13:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	929520	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2142721	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2226940m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1741404	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1386401	7.801	ppbv	97
3) Chlorodifluoromethane	3.01	51	950235	8.490	ppbv	98
4) Chloromethane	3.17	50	617616	10.451	ppbv	95
5) Vinyl Chloride	3.29	62	598663	9.694	ppbv	98
6) Bromomethane	3.52	94	351557	10.365	ppbv	97
7) Chloroethane	3.60	64	215705	10.692	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1425144	10.254	ppbv	98
9) Propene	3.04	41	433709	8.022	ppbv	100
10) Heptane	8.25	43	1319625	8.068	ppbv	99
11) Trichlorofluoromethane	4.00	101	1549499	10.770	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	989872	9.927	ppbv	98
13) Ethanol	3.65	45	124568	6.909	ppbv	95
14) Bromoethene	3.79	108	444818	10.346	ppbv	99
15) Acetone	3.90	43	995597	9.507	ppbv	99
16) 1,3-Butadiene	3.36	39	503257	10.124	ppbv	96
17) tert-Butyl alcohol	4.35	59	195860	9.810	ppbv	99
18) 1,1-Dichloroethene	4.35	96	442395	9.912	ppbv	97
19) Isopropyl Alcohol	4.02	45	692335	9.748	ppbv	100
20) Methylene Chloride	4.41	84	381806	9.166	ppbv	93
21) Allyl Chloride	4.48	41	706529	10.218	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	437227	10.087	ppbv	99
23) Vinyl Acetate	5.16	43	1819104	10.023	ppbv	98
24) 1,1-Dichloroethane	5.09	63	1247939	9.721	ppbv	99
25) Ethyl Acetate	5.77	43	2201068	9.348	ppbv	99
26) Hexane	5.78	57	975120	8.822	ppbv	97
27) Carbon Disulfide	4.62	76	1085584	10.720	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1431476	9.477	ppbv	99
29) Chloroform	5.85	83	1586538	9.366	ppbv	97
30) Cyclohexane	7.25	84	840808	8.198	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	1039856	9.399	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1533837	8.223	ppbv	98
34) 2-Butanone	5.33	43	1500467	11.040	ppbv	99
35) Carbon Tetrachloride	7.14	117	1607997	9.826	ppbv	99
36) Benzene	7.01	78	2043719	9.411	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1275353	10.597	ppbv	98
38) Trichloroethene	7.97	130	761291m	8.186	ppbv	
39) 1,2-Dichloropropane	7.74	63	787981	9.188	ppbv	96
40) 1,4-Dioxane	7.96	88	271140	8.699	ppbv	96
41) Tetrahydrofuran	6.15	42	857703	10.195	ppbv	99
42) Bromodichloromethane	7.92	83	1762048	10.103	ppbv	96
43) Methyl Methacrylate	8.14	69	858746	9.850	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3411365	9.270	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1129425	11.661	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1300881	10.545	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	845912	9.504	ppbv	97
48) Dibromochloromethane	10.46	129	1479835	10.561	ppbv	100
49) Bromoform	13.21	173	1326415	11.003	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2178142	9.994	ppbv	99
51) 2-Hexanone	10.27	43	1700304	9.895	ppbv	100
52) Tetrachloroethene	11.38	164	754456	9.043	ppbv	96
53) Toluene	9.95	91	2451055	9.532	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1355343	9.711	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1023782	10.016	ppbv #	60
57) Chlorobenzene	12.31	112	1773620	9.122	ppbv	97
58) Ethyl Benzene	12.87	91	3446410	9.562	ppbv	98
59) m/p-Xylene	13.15	91	5672042m	18.857	ppbv	
60) o-Xylene	13.85	91	2728251	9.327	ppbv	99
61) Styrene	13.69	104	2083923	9.446	ppbv	99
62) Isopropylbenzene	14.83	105	3809489	9.234	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1867148	8.126	ppbv	100
64) n-propylbenzene	15.73	120	971760	9.267	ppbv	98
65) tert-Butylbenzene	16.91	119	3299658	9.184	ppbv	98
66) Benzyl Chloride	17.16	91	1738631	13.630	ppbv	99
67) sec-Butylbenzene	17.46	105	4859185	9.316	ppbv	99
69) p-Isopropyltoluene	17.82	119	3934267	9.056	ppbv	99
70) n-Butylbenzene	18.72	91	4296106	9.165	ppbv	99
71) 2-Chlorotoluene	15.62	91	2984593	9.207	ppbv	99
72) 4-Ethyltoluene	16.01	105	3154704	9.357	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3040294	9.429	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	3086963	9.225	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	1790200	9.277	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1790221	9.367	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	1733915	9.094	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1404459	14.797	ppbv	100
79) Naphthalene	22.42	128	3383484	9.411	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	1596690	8.771	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1648663	9.025	ppbv	100

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

