

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112918\
 Data File : VL032844.D
 Acq On : 29 Nov 2018 21:17
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 12/4/2018 8:39:07 AM

Quant Time: Nov 30 07:55:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1403047	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3609546	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3467146m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2736460	10.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.50%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1823216	9.040	ppbv	100
3) Chlorodifluoromethane	3.02	51	1059093	9.521	ppbv	100
4) Chloromethane	3.18	50	566482	9.184	ppbv	100
5) Vinyl Chloride	3.30	62	594269	9.093	ppbv	97
6) Bromomethane	3.52	94	394680	9.872	ppbv	95
7) Chloroethane	3.61	64	232614	9.875	ppbv #	88
8) Dichlorotetrafluoroethane	3.23	85	1502761	9.456	ppbv	98
9) Propene	3.05	41	425990	9.570	ppbv	99
10) Heptane	8.26	43	1736350	10.217	ppbv	100
11) Trichlorofluoromethane	4.01	101	2322456	12.219	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1751424	11.282	ppbv	97
13) Ethanol	3.66	45	102364	7.021	ppbv	97
14) Bromoethene	3.80	108	519600	10.088	ppbv	99
15) Acetone	3.91	43	1109730	8.661	ppbv	99
16) 1,3-Butadiene	3.37	39	506367	10.205	ppbv	97
17) tert-Butyl alcohol	4.37	59	439389	10.934	ppbv	99
18) 1,1-Dichloroethene	4.36	96	765813	10.031	ppbv	99
19) Isopropyl Alcohol	4.03	45	1018837	11.936	ppbv	99
20) Methylene Chloride	4.42	84	675874	10.189	ppbv	97
21) Allyl Chloride	4.48	41	1163112	10.802	ppbv	98
22) trans-1,2-Dichloroethene	4.98	96	804916	10.798	ppbv	95
23) Vinyl Acetate	5.16	43	2303502	9.862	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1831704	9.864	ppbv	100
25) Ethyl Acetate	5.78	43	2930276	9.812	ppbv	100
26) Hexane	5.79	57	1358603	10.220	ppbv	99
27) Carbon Disulfide	4.63	76	1833603	10.878	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2242016	10.576	ppbv	100
29) Chloroform	5.86	83	2436160	10.282	ppbv	96
30) Cyclohexane	7.25	84	1211291	10.418	ppbv	98
31) cis-1,2-Dichloroethene	5.65	61	1386587	10.374	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	2479803	9.548	ppbv	99
34) 2-Butanone	5.34	43	1864114	9.957	ppbv	100
35) Carbon Tetrachloride	7.15	117	2713747	9.352	ppbv	100
36) Benzene	7.02	78	2867759	9.977	ppbv	99
37) 1,2-Dichloroethane	6.43	62	1906720	9.854	ppbv	99
38) Trichloroethene	7.98	130	1218689	10.477	ppbv	98
39) 1,2-Dichloropropane	7.75	63	1054104	9.625	ppbv	95
40) 1,4-Dioxane	7.97	88	385258	9.849	ppbv #	1
41) Tetrahydrofuran	6.16	42	1100176	10.245	ppbv	100
42) Bromodichloromethane	7.93	83	2597274	9.902	ppbv	98
43) Methyl Methacrylate	8.15	69	1151083	10.727	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4836144	10.068	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1697167	11.787	ppbv	98
46) cis-1,3-Dichloropropene	8.85	75	1926313	11.073	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	1289839	9.960	ppbv	95
48) Dibromochloromethane	10.46	129	2215566	10.066	ppbv	100
49) Bromoform	13.21	173	1830763	10.072	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	2927367	10.011	ppbv	99
51) 2-Hexanone	10.28	43	2076557	11.023	ppbv #	99
52) Tetrachloroethene	11.38	164	1044746	10.449	ppbv	98
53) Toluene	9.96	91	3349306	11.169	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1883237	10.288	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.29	131	1570976	9.715	ppbv	100
57) Chlorobenzene	12.31	112	2570647	9.686	ppbv	99
58) Ethyl Benzene	12.88	91	4517284	10.826	ppbv	99
59) m/p-Xylene	13.16	91	7630936m	20.543	ppbv	
60) o-Xylene	13.86	91	3644976	9.759	ppbv	99
61) Styrene	13.70	104	2708109	11.138	ppbv	99
62) Isopropylbenzene	14.84	105	5158503	10.218	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2414903	8.294	ppbv	99
64) n-propylbenzene	15.73	120	1311655	9.878	ppbv	99
65) tert-Butylbenzene	16.92	119	4541491	10.035	ppbv	99
66) Benzyl Chloride	17.17	91	2521882	10.080	ppbv	100
67) sec-Butylbenzene	17.47	105	6333795	9.711	ppbv	99
69) p-Isopropyltoluene	17.83	119	5273770	10.170	ppbv	99
70) n-Butylbenzene	18.73	91	5431300	10.315	ppbv	100
71) 2-Chlorotoluene	15.63	91	3828875	10.170	ppbv	99
72) 4-Ethyltoluene	16.01	105	4220291	10.309	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	4007391	10.012	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	4122315	9.624	ppbv	99
75) 1,3-Dichlorobenzene	17.18	146	2359722	9.605	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2319381	10.106	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	2301875	10.127	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	1834350	14.954	ppbv	99
79) Naphthalene	22.43	128	4211947	14.969	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	1073676	15.235	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	2024922	14.331	ppbv	98

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

