

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112918\
 Data File : VL032830.D
 Acq On : 29 Nov 2018 9:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

apatel
 12/4/2018 8:38:21 AM

Quant Time: Nov 30 06:40:19 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	5.77	49	1544505	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3837075	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3781187m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2865319	10.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1403042	6.320	ppbv	98
3) Chlorodifluoromethane	3.02	51	1058088	8.641	ppbv	99
4) Chloromethane	3.18	50	567294	8.355	ppbv	97
5) Vinyl Chloride	3.30	62	603021	8.382	ppbv	99
6) Bromomethane	3.52	94	550308	12.503	ppbv	91
7) Chloroethane	3.61	64	316318	12.199	ppbv #	89
8) Dichlorotetrafluoroethane	3.23	85	1519803	8.687	ppbv	97
9) Propene	3.04	41	425593	8.685	ppbv	99
10) Heptane	8.25	43	1818110	9.718	ppbv	99
11) Trichlorofluoromethane	4.01	101	2318820	11.083	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1672537	9.787	ppbv	97
13) Ethanol	3.66	45	143388	8.934	ppbv	100
14) Bromoethene	3.80	108	704572	12.427	ppbv	99
15) Acetone	3.91	43	1478436	10.482	ppbv	100
16) 1,3-Butadiene	3.37	39	492521	9.017	ppbv	88
17) tert-Butyl alcohol	4.36	59	446716	10.098	ppbv	100
18) 1,1-Dichloroethene	4.36	96	817853	9.732	ppbv	96
19) Isopropyl Alcohol	4.03	45	1005924	10.706	ppbv #	99
20) Methylene Chloride	4.42	84	688101	9.423	ppbv	97
21) Allyl Chloride	4.49	41	1202659	10.146	ppbv	98
22) trans-1,2-Dichloroethene	4.97	96	806417	9.827	ppbv	97
23) Vinyl Acetate	5.16	43	2430601	9.453	ppbv	100
24) 1,1-Dichloroethane	5.10	63	1866507	9.131	ppbv	99
25) Ethyl Acetate	5.78	43	3161517	9.617	ppbv	100
26) Hexane	5.79	57	1481103	10.121	ppbv	99
27) Carbon Disulfide	4.63	76	2027063	10.924	ppbv	100
28) Methyl tert-Butyl Ether	5.12	73	2309650	9.897	ppbv	100
29) Chloroform	5.86	83	2503127	9.597	ppbv	95
30) Cyclohexane	7.25	84	1267107	9.900	ppbv	97
31) cis-1,2-Dichloroethene	5.65	61	1435838	9.759	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	2554635	8.936	ppbv	99
34) 2-Butanone	5.34	43	1890323	9.498	ppbv	99
35) Carbon Tetrachloride	7.14	117	2776146	9.000	ppbv	100
36) Benzene	7.02	78	2929840	9.589	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1883611	9.158	ppbv	100
38) Trichloroethene	7.97	130	1258422	10.177	ppbv	96
39) 1,2-Dichloropropane	7.75	63	1101335	9.460	ppbv	98
40) 1,4-Dioxane	7.97	88	402462	9.679	ppbv	95
41) Tetrahydrofuran	6.16	42	1078164	9.445	ppbv	100
42) Bromodichloromethane	7.93	83	2699678	9.682	ppbv	99
43) Methyl Methacrylate	8.15	69	1175974	10.309	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	8.00	57	4983848	9.761	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1763741	11.523	ppbv	100
46) cis-1,3-Dichloropropene	8.85	75	1993856	10.782	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	1319788	9.587	ppbv	94
48) Dibromochloromethane	10.46	129	2407991	10.292	ppbv	100
49) Bromoform	13.21	173	2027278	10.492	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	3076781	9.898	ppbv	100
51) 2-Hexanone	10.28	43	2151250	10.742	ppbv #	100
52) Tetrachloroethene	11.38	164	1096257	10.314	ppbv	98
53) Toluene	9.96	91	3427064	10.751	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1984495	10.198	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1704574	9.665	ppbv	100
57) Chlorobenzene	12.32	112	2814353	9.723	ppbv	99
58) Ethyl Benzene	12.88	91	4766706	10.475	ppbv	98
59) m/p-Xylene	13.14	91	7908059m	19.521	ppbv	
60) o-Xylene	13.86	91	3946518	9.689	ppbv	100
61) Styrene	13.70	104	2924960	11.031	ppbv	99
62) Isopropylbenzene	14.84	105	5599155	10.170	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2699135	8.501	ppbv	99
64) n-propylbenzene	15.74	120	1530475m	10.569	ppbv	
65) tert-Butylbenzene	16.92	119	5001157	10.133	ppbv	98
66) Benzyl Chloride	17.17	91	2783823	10.203	ppbv	100
67) sec-Butylbenzene	17.47	105	6990258	9.828	ppbv	99
69) p-Isopropyltoluene	17.83	119	5677827	10.040	ppbv	99
70) n-Butylbenzene	18.73	91	5615285	9.778	ppbv	99
71) 2-Chlorotoluene	15.63	91	4390900	10.694	ppbv	99
72) 4-Ethyltoluene	16.01	105	4506309	10.093	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	4338220	9.938	ppbv	99
74) 1,2,4-Trimethylbenzene	16.94	105	4415776	9.453	ppbv	95
75) 1,3-Dichlorobenzene	17.18	146	2485753	9.277	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	2427598	9.699	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2371457	9.567	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1457123	10.892	ppbv	99
79) Naphthalene	22.42	128	2937396	9.572	ppbv	97
80) Naphthalene,2-methyl-	25.12	142	824027	10.722	ppbv	98
81) 1,2,4-Trichlorobenzene	22.15	180	1514962	9.831	ppbv	99

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

