

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
 Data File : VL032651.D
 Acq On : 17 Oct 2018 21:58
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 4:36:43 PM

Quant Time: Oct 18 11:13:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 2018
 QLast Update : Wed Oct 17 08:55:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1238307	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2699777	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2934294m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.60	95	2110246	9.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	1349814	14.99	ppbv	100
3) Chlorodifluoromethane	3.03	51	970792	9.37	ppbv	100
4) Chloromethane	3.18	50	533056	9.42	ppbv	97
5) Vinyl Chloride	3.30	62	550291	9.66	ppbv	100
6) Bromomethane	3.53	94	338779	9.41	ppbv	94
7) Chloroethane	3.62	64	214757	9.63	ppbv	98
8) Dichlorotetrafluoroethane	3.23	85	1257680	9.01	ppbv	99
9) Propene	3.05	41	401553	10.57	ppbv	99
10) Heptane	8.27	43	1589983	11.18	ppbv	99
11) Trichlorofluoromethane	4.02	101	1496807	9.41	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1073618	9.22	ppbv	99
13) Ethanol	3.66	45	120641	10.26	ppbv	97
14) Bromoethene	3.80	108	459843	10.79	ppbv	98
15) Acetone	3.92	43	1101032	9.99	ppbv	100
16) 1,3-Butadiene	3.38	39	448808	11.00	ppbv	85
17) tert-Butyl alcohol	4.37	59	115810	11.52	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	599836	11.42	ppbv	98
19) Isopropyl Alcohol	4.04	45	837522	10.76	ppbv #	97
20) Methylene Chloride	4.43	84	522215	10.58	ppbv	92
21) Allyl Chloride	4.49	41	870620	10.53	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	588982	9.71	ppbv	94
23) Vinyl Acetate	5.17	43	2032510	11.59	ppbv	99
24) 1,1-Dichloroethane	5.11	63	1617766	9.95	ppbv	100
25) Ethyl Acetate	5.79	43	2730806	10.47	ppbv	100
26) Hexane	5.80	57	1269300	10.81	ppbv	99
27) Carbon Disulfide	4.64	76	1425837	10.05	ppbv	99
28) Methyl tert-Butyl Ether	5.13	73	1676153	11.36	ppbv	100
29) Chloroform	5.87	83	1994019	9.69	ppbv	96
30) Cyclohexane	7.26	84	1034767	11.17	ppbv	99
31) cis-1,2-Dichloroethene	5.66	61	1204357	10.67	ppbv	94
32) 1,1,1-Trichloroethane	6.64	97	1962021	9.55	ppbv	98
34) 2-Butanone	5.35	43	1777794	11.86	ppbv	100
35) Carbon Tetrachloride	7.16	117	2007513	9.59	ppbv	98
36) Benzene	7.03	78	2540222	11.61	ppbv	99
37) 1,2-Dichloroethane	6.43	62	1593585	10.62	ppbv	100
38) Trichloroethene	7.98	130	915539	11.13	ppbv	97
39) 1,2-Dichloropropane	7.76	63	1018645	11.44	ppbv	99
40) 1,4-Dioxane	7.98	88	380086	12.36	ppbv #	99
41) Tetrahydrofuran	6.17	42	999895	12.58	ppbv	100
42) Bromodichloromethane	7.94	83	2170766	10.61	ppbv	99
43) Methyl Methacrylate	8.16	69	1058396	12.47	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	4447608	11.46	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1493634	13.46	ppbv	100
46) cis-1,3-Dichloropropene	8.86	75	1593284	12.61	ppbv	99
47) 1,1,2-Trichloroethane	9.64	97	1121691	10.54	ppbv	98
48) Dibromochloromethane	10.47	129	1918451	10.62	ppbv	99
49) Bromoform	13.23	173	1446599	10.60	ppbv	100
50) 4-Methyl-2-Pentanone	8.89	43	2562693	11.62	ppbv	100
51) 2-Hexanone	10.29	43	2245544	12.95	ppbv	99
52) Tetrachloroethene	11.40	164	854692	11.86	ppbv	98
53) Toluene	9.97	91	3130707	12.55	ppbv	99
54) 1,2-Dibromoethane	10.78	107	1693831	11.12	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.30	131	1257426	9.33	ppbv	100
57) Chlorobenzene	12.32	112	2140959	9.59	ppbv	99
58) Ethyl Benzene	12.89	91	3879367	11.77	ppbv	99
59) m/p-Xylene	13.17	91	6349103m	21.58	ppbv	
60) o-Xylene	13.87	91	3147942	10.74	ppbv	99
61) Styrene	13.71	104	2250718	12.67	ppbv	99
62) Isopropylbenzene	14.85	105	4421104	10.59	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.86	83	2359574	9.12	ppbv	100
64) n-propylbenzene	15.74	120	1126913	10.65	ppbv	98
65) tert-Butylbenzene	16.93	119	3739459	10.55	ppbv	98
66) Benzyl Chloride	17.18	91	2199249	11.01	ppbv	99
67) sec-Butylbenzene	17.48	105	5491345	10.30	ppbv	99
69) p-Isopropyltoluene	17.84	119	4355382	10.79	ppbv	99
70) n-Butylbenzene	18.74	91	4797949	10.79	ppbv	100
71) 2-Chlorotoluene	15.64	91	3481629	11.28	ppbv	99
72) 4-Ethyltoluene	16.02	105	3568391	11.26	ppbv	99
73) 1,3,5-Trimethylbenzene	16.18	105	3386297	10.74	ppbv	99
74) 1,2,4-Trimethylbenzene	16.95	105	3485355	10.04	ppbv #	91
75) 1,3-Dichlorobenzene	17.19	146	1889880	9.37	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	1875738	10.21	ppbv	99
77) 1,2-Dichlorobenzene	18.01	146	1869125	9.64	ppbv	100
78) Hexachloro-1,3-Butadiene	23.56	225	704893	6.50	ppbv	100
79) Naphthalene	22.44	128	2833703	12.01	ppbv	99
80) Naphthalene,2-methyl-	25.13	142	761998	9.98	ppbv	99
81) 1,2,4-Trichlorobenzene	22.16	180	1315275	11.23	ppbv	99

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

