

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062918\
 Data File : VL032174.D
 Acq On : 30 Jun 2018 17:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/2/2018 4:25:59 PM

Quant Time: Jul 02 04:30:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 2
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1356789	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.39	114	3175176	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.35	117	3277952m	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.68	95	2334884	9.32	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.14	85	1286468	7.20	ppbv	97
3) Chlorodifluoromethane	3.07	51	1554659	9.38	ppbv	96
4) Chloromethane	3.23	50	816632	9.23	ppbv	97
5) Vinyl Chloride	3.35	62	819090	9.16	ppbv	99
6) Bromomethane	3.58	94	478842	9.40	ppbv	99
7) Chloroethane	3.67	64	324650	10.27	ppbv	99
8) Dichlorotetrafluoroethane	3.28	85	1763832	8.85	ppbv	92
9) Propene	3.09	41	673752	8.72	ppbv	98
10) Heptane	8.34	43	2081446	9.24	ppbv	97
11) Trichlorofluoromethane	4.07	101	1817104	9.40	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.63	101	1167145	9.07	ppbv	92
13) Ethanol	3.72	45	148773	6.35	ppbv	98
14) Bromoethene	3.86	108	560011	9.14	ppbv	99
15) Acetone	3.97	43	1407085	8.87	ppbv	100
16) 1,3-Butadiene	3.42	39	736709	9.73	ppbv	92
17) tert-Butyl alcohol	4.43	59	790399	7.82	ppbv	100
18) 1,1-Dichloroethene	4.43	96	550613	8.94	ppbv	90
19) Isopropyl Alcohol	4.10	45	1037703	7.87	ppbv #	41
20) Methylene Chloride	4.49	84	497256	8.58	ppbv	97
21) Allyl Chloride	4.55	41	966295	8.92	ppbv	97
22) trans-1,2-Dichloroethene	5.04	96	630436	9.79	ppbv	97
23) Vinyl Acetate	5.23	43	2590676	9.00	ppbv	98
24) 1,1-Dichloroethane	5.17	63	1725699	9.36	ppbv	99
25) Ethyl Acetate	5.86	43	3137220	9.56	ppbv	100
26) Hexane	5.87	57	1438936	9.52	ppbv	96
27) Carbon Disulfide	4.70	76	1387556	9.23	ppbv	98
28) Methyl tert-Butyl Ether	5.19	73	2356002	8.82	ppbv	99
29) Chloroform	5.94	83	2200999	10.00	ppbv	99
30) Cyclohexane	7.34	84	1294761	9.09	ppbv	98
31) cis-1,2-Dichloroethene	5.73	61	1501754	9.94	ppbv	94
32) 1,1,1-Trichloroethane	6.71	97	2081832	9.03	ppbv	98
34) 2-Butanone	5.41	43	2033356	10.09	ppbv	99
35) Carbon Tetrachloride	7.23	117	2110718	9.71	ppbv	99
36) Benzene	7.10	78	3096313	10.08	ppbv	98
37) 1,2-Dichloroethane	6.50	62	1718244	11.22	ppbv	97
38) Trichloroethene	8.06	130	1042056	8.68	ppbv	93
39) 1,2-Dichloropropane	7.84	63	1209211	9.98	ppbv	95
40) 1,4-Dioxane	8.05	88	402490	8.47	ppbv #	1
41) Tetrahydrofuran	6.24	42	1254821	10.39	ppbv	97
42) Bromodichloromethane	8.02	83	2410675	10.05	ppbv	96
43) Methyl Methacrylate	8.23	69	1331500	10.45	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062918\
 Data File : VL032174.D
 Acq On : 30 Jun 2018 17:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/2/2018 4:25:59 PM

Quant Time: Jul 02 04:30:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 2
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.09	57	5129419	9.54	ppbv	99
45) t-1,3-Dichloropropene	9.52	75	1609519	10.20	ppbv	97
46) cis-1,3-Dichloropropene	8.94	75	1889180	10.02	ppbv	97
47) 1,1,2-Trichloroethane	9.72	97	1234286	9.80	ppbv	99
48) Dibromochloromethane	10.56	129	1868153	9.58	ppbv	99
49) Bromoform	13.31	173	1532772	9.39	ppbv	100
50) 4-Methyl-2-Pentanone	8.97	43	3204337	9.71	ppbv	100
51) 2-Hexanone	10.38	43	2721963	9.95	ppbv #	100
52) Tetrachloroethene	11.48	164	927721	8.30	ppbv	95
53) Toluene	10.05	91	3555079	9.57	ppbv	100
54) 1,2-Dibromoethane	10.87	107	1826329	9.64	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.39	131	1323903	9.05	ppbv #	55
57) Chlorobenzene	12.41	112	2586011	9.11	ppbv	98
58) Ethyl Benzene	12.97	91	4914223	9.30	ppbv	96
59) m/p-Xylene	13.26	91	7807507m	18.44	ppbv	
60) o-Xylene	13.96	91	3749615	8.88	ppbv	96
61) Styrene	13.79	104	3114273	9.00	ppbv	95
62) Isopropylbenzene	14.93	105	5379495	8.28	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.94	83	2657789	8.13	ppbv	100
64) n-propylbenzene	15.83	120	1405246	8.36	ppbv	85
65) tert-Butylbenzene	17.01	119	4433432	7.77	ppbv	93
66) Benzyl Chloride	17.26	91	2592630	7.36	ppbv	94
67) sec-Butylbenzene	17.57	105	6692950	8.01	ppbv	98
69) p-Isopropyltoluene	17.92	119	5396929	8.05	ppbv	97
70) n-Butylbenzene	18.82	91	5945784	8.50	ppbv	98
71) 2-Chlorotoluene	15.73	91	4310836	8.62	ppbv	94
72) 4-Ethyltoluene	16.11	105	4643118	8.51	ppbv	97
73) 1,3,5-Trimethylbenzene	16.26	105	4367233	8.50	ppbv	92
74) 1,2,4-Trimethylbenzene	17.03	105	4265842	8.23	ppbv	93
75) 1,3-Dichlorobenzene	17.28	146	2342511	7.94	ppbv	98
76) 1,4-Dichlorobenzene	17.41	146	2411593	8.06	ppbv	97
77) 1,2-Dichlorobenzene	18.09	146	2361952	8.01	ppbv	97
78) Hexachloro-1,3-Butadiene	23.64	225	1453572	14.16	ppbv	99
79) Naphthalene	22.53	128	4410643	9.36	ppbv	100
80) Naphthalene, 2-methyl-	25.19	142	2119704	12.46	ppbv	97
81) 1,2,4-Trichlorobenzene	22.26	180	1947916	9.15	ppbv	99

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

