

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032309.D
 Acq On : 27 Jul 2018 00:36
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 11:42:55 AM

Quant Time: Jul 27 05:38:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
 QLast Update : Fri Jul 27 05:29:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1926622	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	4145843	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	5243094m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.67	95	3820050	9.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	1760132	5.83	ppbv	100
3) Chlorodifluoromethane	3.06	51	1920780	8.93	ppbv	100
4) Chloromethane	3.22	50	1192497	9.37	ppbv	100
5) Vinyl Chloride	3.34	62	1110712	9.22	ppbv	100
6) Bromomethane	3.57	94	587856	9.01	ppbv	100
7) Chloroethane	3.65	64	384788	9.05	ppbv	100
8) Dichlorotetrafluoroethane	3.27	85	2242900	8.49	ppbv	100
9) Propene	3.08	41	930777	9.87	ppbv	100
10) Heptane	8.33	43	3329025	11.02	ppbv	100
11) Trichlorofluoromethane	4.06	101	2198150	8.70	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.61	101	1454048	8.92	ppbv	100
13) Ethanol	3.70	45	233107	8.60	ppbv	100
14) Bromoethene	3.84	108	686715	9.36	ppbv	100
15) Acetone	3.96	43	1700845	8.56	ppbv	100
16) 1,3-Butadiene	3.41	39	945284	9.30	ppbv	100
17) tert-Butyl alcohol	4.42	59	626365	9.78	ppbv	100
18) 1,1-Dichloroethene	4.41	96	715096	9.35	ppbv	100
19) Isopropyl Alcohol	4.08	45	1359619	9.95	ppbv	99
20) Methylene Chloride	4.47	84	677544	8.67	ppbv	100
21) Allyl Chloride	4.54	41	1316523	9.87	ppbv	100
22) trans-1,2-Dichloroethene	5.03	96	730994	9.29	ppbv	100
23) Vinyl Acetate	5.22	43	3486124	9.71	ppbv	100
24) 1,1-Dichloroethane	5.16	63	2334579	8.98	ppbv	100
25) Ethyl Acetate	5.84	43	4047560	9.25	ppbv	100
26) Hexane	5.85	57	1831992	9.13	ppbv	100
27) Carbon Disulfide	4.68	76	1845831	10.37	ppbv	100
28) Methyl tert-Butyl Ether	5.18	73	2722903	9.27	ppbv	100
29) Chloroform	5.92	83	2652206	9.03	ppbv	100
30) Cyclohexane	7.33	84	1560087	9.34	ppbv	100
31) cis-1,2-Dichloroethene	5.71	61	1878507	9.73	ppbv	100
32) 1,1,1-Trichloroethane	6.70	97	2589552	8.71	ppbv	100
34) 2-Butanone	5.40	43	2821898	9.84	ppbv	100
35) Carbon Tetrachloride	7.22	117	2567455	9.05	ppbv	100
36) Benzene	7.09	78	3924015	9.58	ppbv	100
37) 1,2-Dichloroethane	6.49	62	2143112	8.95	ppbv	100
38) Trichloroethene	8.04	130	1551102	11.18	ppbv	100
39) 1,2-Dichloropropane	7.82	63	1899789	11.24	ppbv	100
40) 1,4-Dioxane	8.04	88	594117	11.96	ppbv	100
41) Tetrahydrofuran	6.22	42	1690708	10.23	ppbv	100
42) Bromodichloromethane	8.00	83	3581490	11.31	ppbv	100
43) Methyl Methacrylate	8.22	69	1983063	11.79	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.07	57	8136698	11.21	ppbv	100
45) t-1,3-Dichloropropene	9.50	75	2462887	12.08	ppbv	100
46) cis-1,3-Dichloropropene	8.92	75	2908518	11.50	ppbv	100
47) 1,1,2-Trichloroethane	9.70	97	1809250	10.28	ppbv	100
48) Dibromochloromethane	10.54	129	2796095	10.80	ppbv	100
49) Bromoform	13.30	173	2330347	10.33	ppbv	100
50) 4-Methyl-2-Pentanone	8.95	43	5062466	10.70	ppbv	100
51) 2-Hexanone	10.36	43	4084586	10.97	ppbv	100
52) Tetrachloroethene	11.46	164	1370436	9.70	ppbv	100
53) Toluene	10.03	91	5006269	10.09	ppbv	100
54) 1,2-Dibromoethane	10.85	107	2691328	10.30	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.37	131	2009614	8.65	ppbv	100
57) Chlorobenzene	12.40	112	3691386	8.60	ppbv	100
58) Ethyl Benzene	12.95	91	6800917	9.36	ppbv	100
59) m/p-Xylene	13.24	91	10950191m	17.46	ppbv	
60) o-Xylene	13.94	91	5287685	8.46	ppbv	100
61) Styrene	13.77	104	4340433	9.45	ppbv	100
62) Isopropylbenzene	14.92	105	7542547	8.53	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.93	83	3972690	7.44	ppbv	100
64) n-propylbenzene	15.81	120	1978127	8.72	ppbv	100
65) tert-Butylbenzene	17.00	119	6166303	8.17	ppbv	100
66) Benzyl Chloride	17.25	91	4395080	10.40	ppbv	100
67) sec-Butylbenzene	17.55	105	9247233	8.20	ppbv	100
69) p-Isopropyltoluene	17.91	119	7369632	8.44	ppbv	100
70) n-Butylbenzene	18.80	91	8333458	8.55	ppbv	100
71) 2-Chlorotoluene	15.71	91	6022220	8.52	ppbv	100
72) 4-Ethyltoluene	16.09	105	6310771	8.87	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	5947582	8.55	ppbv	100
74) 1,2,4-Trimethylbenzene	17.02	105	5848236	8.00	ppbv	100
75) 1,3-Dichlorobenzene	17.26	146	3279167	8.04	ppbv	100
76) 1,4-Dichlorobenzene	17.40	146	3343024	8.28	ppbv	100
77) 1,2-Dichlorobenzene	18.08	146	3293018	8.33	ppbv	100
78) Hexachloro-1,3-Butadiene	23.63	225	1054659	8.12	ppbv	100
79) Naphthalene	22.52	128	5699892	9.18	ppbv	100
80) Naphthalene, 2-methyl-	25.18	142	2805473	10.64	ppbv	100
81) 1,2,4-Trichlorobenzene	22.24	180	2728773	8.99	ppbv	100

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

