

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080118\
 Data File : VL032328.D
 Acq On : 1 Aug 2018 16:50
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 2:04:51 PM

Quant Time: Aug 02 00:55:55 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 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1867336	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	4770054	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	4792344m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3770815	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	1746886	7.76	ppbv	100
3) Chlorodifluoromethane	3.05	51	1808966	9.69	ppbv	99
4) Chloromethane	3.21	50	1091011	9.65	ppbv	99
5) Vinyl Chloride	3.34	62	1008233	9.81	ppbv	97
6) Bromomethane	3.56	94	547969	9.71	ppbv	95
7) Chloroethane	3.65	64	367573	10.06	ppbv	99
8) Dichlorotetrafluoroethane	3.26	85	2060606	9.06	ppbv	99
9) Propene	3.08	41	887321	10.57	ppbv	99
10) Heptane	8.32	43	3011997	10.22	ppbv	100
11) Trichlorofluoromethane	4.06	101	2035243	9.46	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.61	101	1383985	9.42	ppbv	100
13) Ethanol	3.70	45	226874	9.40	ppbv	99
14) Bromoethene	3.84	108	654060	10.14	ppbv	99
15) Acetone	3.95	43	1811083	10.29	ppbv	99
16) 1,3-Butadiene	3.41	39	859188	9.42	ppbv	99
17) tert-Butyl alcohol	4.42	59	550270	9.84	ppbv	100
18) 1,1-Dichloroethene	4.41	96	666477	9.78	ppbv	97
19) Isopropyl Alcohol	4.08	45	1299052	11.06	ppbv	99
20) Methylene Chloride	4.47	84	621621	8.79	ppbv	98
21) Allyl Chloride	4.54	41	1240424	10.33	ppbv	98
22) trans-1,2-Dichloroethene	5.03	96	701039	10.67	ppbv	99
23) Vinyl Acetate	5.22	43	3374550	10.69	ppbv	99
24) 1,1-Dichloroethane	5.15	63	2155057	9.52	ppbv	100
25) Ethyl Acetate	5.84	43	3759380	9.52	ppbv	100
26) Hexane	5.85	57	1709293	9.56	ppbv	99
27) Carbon Disulfide	4.68	76	1712448	10.54	ppbv	98
28) Methyl tert-Butyl Ether	5.18	73	2570952	10.64	ppbv	100
29) Chloroform	5.92	83	2441379	9.39	ppbv	100
30) Cyclohexane	7.32	84	1738071	12.47	ppbv	99
31) cis-1,2-Dichloroethene	5.71	61	1748243	10.55	ppbv	98
32) 1,1,1-Trichloroethane	6.69	97	2430318	10.56	ppbv	100
34) 2-Butanone	5.39	43	2618748	8.48	ppbv	100
35) Carbon Tetrachloride	7.21	117	2846086	10.50	ppbv	99
36) Benzene	7.08	78	3576454	8.51	ppbv	100
37) 1,2-Dichloroethane	6.49	62	2024513	8.33	ppbv	99
38) Trichloroethene	8.04	130	1382749	8.51	ppbv	97
39) 1,2-Dichloropropane	7.81	63	1758096	8.31	ppbv	97
40) 1,4-Dioxane	8.03	88	534837	8.61	ppbv #	1
41) Tetrahydrofuran	6.22	42	1567611	8.98	ppbv	100
42) Bromodichloromethane	7.99	83	3267138	8.31	ppbv	98
43) Methyl Methacrylate	8.21	69	1819400	9.01	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.07	57	7444715	8.17	ppbv	100
45) t-1,3-Dichloropropene	9.49	75	2239380	9.58	ppbv	98
46) cis-1,3-Dichloropropene	8.92	75	2651513	9.25	ppbv	99
47) 1,1,2-Trichloroethane	9.70	97	1630631	7.93	ppbv	99
48) Dibromochloromethane	10.54	129	2543436	8.39	ppbv	100
49) Bromoform	13.29	173	2064297	8.27	ppbv	99
50) 4-Methyl-2-Pentanone	8.95	43	4650216	8.54	ppbv	100
51) 2-Hexanone	10.35	43	3772663	9.09	ppbv #	100
52) Tetrachloroethene	11.46	164	1219286	8.61	ppbv	99
53) Toluene	10.03	91	4656699	9.26	ppbv	99
54) 1,2-Dibromoethane	10.85	107	2471773	8.46	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.37	131	1799709	9.11	ppbv	99
57) Chlorobenzene	12.39	112	3278033	8.80	ppbv	98
58) Ethyl Benzene	12.95	91	6189884	10.30	ppbv	98
59) m/p-Xylene	13.23	91	9822809m	19.20	ppbv	
60) o-Xylene	13.93	91	4806558	9.58	ppbv	98
61) Styrene	13.77	104	3832899	10.38	ppbv	99
62) Isopropylbenzene	14.91	105	6818747	9.57	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.92	83	3559419	8.72	ppbv	100
64) n-propylbenzene	15.81	120	1758996	9.48	ppbv	97
65) tert-Butylbenzene	16.99	119	5604106	9.31	ppbv	99
66) Benzyl Chloride	17.24	91	3628058	10.11	ppbv	100
67) sec-Butylbenzene	17.54	105	8405907	9.33	ppbv	99
69) p-Isopropyltoluene	17.90	119	6641871	9.51	ppbv	99
70) n-Butylbenzene	18.80	91	7408060	9.19	ppbv	99
71) 2-Chlorotoluene	15.70	91	5478640	9.80	ppbv	99
72) 4-Ethyltoluene	16.08	105	5642547	10.04	ppbv	100
73) 1,3,5-Trimethylbenzene	16.24	105	5362261	9.69	ppbv	100
74) 1,2,4-Trimethylbenzene	17.01	105	5240407	8.98	ppbv	98
75) 1,3-Dichlorobenzene	17.25	146	2891700	8.56	ppbv	99
76) 1,4-Dichlorobenzene	17.39	146	2944162	9.08	ppbv	99
77) 1,2-Dichlorobenzene	18.07	146	2892157	8.71	ppbv	99
78) Hexachloro-1,3-Butadiene	23.62	225	1725623	14.79	ppbv	100
79) Naphthalene	22.51	128	5062898	10.00	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	2133874	10.65	ppbv	99
81) 1,2,4-Trichlorobenzene	22.23	180	2368231	9.36	ppbv	99

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

