

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071918\
 Data File : VL032290.D
 Acq On : 19 Jul 2018 15:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 2:06:11 PM

Quant Time: Jul 20 08:58:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1565371	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3524545	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4418286m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3210841	8.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	2529470	9.50	ppbv	99
3) Chlorodifluoromethane	3.06	51	1791316	10.20	ppbv	97
4) Chloromethane	3.22	50	1092442	10.56	ppbv	99
5) Vinyl Chloride	3.34	62	1026391	10.47	ppbv	99
6) Bromomethane	3.57	94	558346	10.45	ppbv	95
7) Chloroethane	3.66	64	359550	10.34	ppbv	98
8) Dichlorotetrafluoroethane	3.27	85	2090384	9.62	ppbv	99
9) Propene	3.08	41	903926	11.77	ppbv	99
10) Heptane	8.33	43	2683098	11.00	ppbv	99
11) Trichlorofluoromethane	4.06	101	2026481	9.74	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1345602	10.14	ppbv	99
13) Ethanol	3.70	45	197223	8.99	ppbv	98
14) Bromoethene	3.85	108	638451	10.67	ppbv	100
15) Acetone	3.96	43	1597032	9.75	ppbv	99
16) 1,3-Butadiene	3.41	39	885917	10.62	ppbv	97
17) tert-Butyl alcohol	4.42	59	537428	10.40	ppbv	100
18) 1,1-Dichloroethene	4.41	96	651668	10.51	ppbv	98
19) Isopropyl Alcohol	4.09	45	1116452	10.08	ppbv	99
20) Methylene Chloride	4.47	84	574974	9.12	ppbv	93
21) Allyl Chloride	4.54	41	1195065	11.07	ppbv	98
22) trans-1,2-Dichloroethene	5.03	96	690840	10.73	ppbv	99
23) Vinyl Acetate	5.22	43	3292427	11.21	ppbv	100
24) 1,1-Dichloroethane	5.16	63	2163229	10.15	ppbv	100
25) Ethyl Acetate	5.84	43	3731555	10.46	ppbv	99
26) Hexane	5.86	57	1692866	10.33	ppbv	99
27) Carbon Disulfide	4.69	76	1676465	11.55	ppbv	99
28) Methyl tert-Butyl Ether	5.18	73	2566978	10.56	ppbv	100
29) Chloroform	5.93	83	2417381	10.00	ppbv	99
30) Cyclohexane	7.33	84	1484776	10.80	ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	1703793	10.84	ppbv	97
32) 1,1,1-Trichloroethane	6.70	97	2417718	9.89	ppbv	99
34) 2-Butanone	5.40	43	2668705	11.03	ppbv	99
35) Carbon Tetrachloride	7.22	117	2408256	9.93	ppbv	98
36) Benzene	7.09	78	3721366	10.73	ppbv	100
37) 1,2-Dichloroethane	6.49	62	2006530	9.79	ppbv	100
38) Trichloroethene	8.05	130	1138730	9.92	ppbv	97
39) 1,2-Dichloropropane	7.82	63	1404956	10.23	ppbv	98
40) 1,4-Dioxane	8.04	88	414701	10.22	ppbv #	12
41) Tetrahydrofuran	6.22	42	1612303	11.43	ppbv	99
42) Bromodichloromethane	8.01	83	2631108	10.20	ppbv	94
43) Methyl Methacrylate	8.22	69	1557788	10.96	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6087543	10.07	ppbv	100
45) t-1,3-Dichloropropene	9.50	75	1894719	11.31	ppbv	98
46) cis-1,3-Dichloropropene	8.92	75	2336979	10.94	ppbv	100
47) 1,1,2-Trichloroethane	9.71	97	1411215	9.51	ppbv	97
48) Dibromochloromethane	10.54	129	2361588	10.91	ppbv	99
49) Bromoform	13.30	173	2058595	10.90	ppbv	100
50) 4-Methyl-2-Pentanone	8.96	43	4130605	10.38	ppbv	99
51) 2-Hexanone	10.36	43	3802857	12.53	ppbv #	99
52) Tetrachloroethene	11.47	164	1223719	10.33	ppbv	98
53) Toluene	10.04	91	4007325	9.53	ppbv	100
54) 1,2-Dibromoethane	10.85	107	2271915	10.38	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.37	131	1811005	9.20	ppbv	99
57) Chlorobenzene	12.39	112	3337557	9.21	ppbv	100
58) Ethyl Benzene	12.96	91	6221295	9.99	ppbv	99
59) m/p-Xylene	13.24	91	9973276m	18.78	ppbv	
60) o-Xylene	13.94	91	4855618	9.18	ppbv	100
61) Styrene	13.78	104	3939160	10.03	ppbv	99
62) Isopropylbenzene	14.92	105	6847489	9.03	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.93	83	3572857	7.92	ppbv	99
64) n-propylbenzene	15.82	120	1799687	9.24	ppbv	100
65) tert-Butylbenzene	17.00	119	5580446	8.64	ppbv	100
66) Benzyl Chloride	17.25	91	3684294	10.13	ppbv	100
67) sec-Butylbenzene	17.55	105	8384277	8.70	ppbv	100
69) p-Isopropyltoluene	17.91	119	6815258	9.15	ppbv	100
70) n-Butylbenzene	18.81	91	7429628	8.94	ppbv	99
71) 2-Chlorotoluene	15.71	91	5472690	9.00	ppbv	99
72) 4-Ethyltoluene	16.09	105	5711292	9.35	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	5429087	9.09	ppbv	98
74) 1,2,4-Trimethylbenzene	17.02	105	5302545	8.48	ppbv	96
75) 1,3-Dichlorobenzene	17.26	146	2904300	8.36	ppbv	99
76) 1,4-Dichlorobenzene	17.40	146	2991148	8.68	ppbv	99
77) 1,2-Dichlorobenzene	18.08	146	2941839	8.76	ppbv	99
78) Hexachloro-1,3-Butadiene	23.63	225	1781905	16.36	ppbv	99
79) Naphthalene	22.52	128	5163968	9.83	ppbv	98
80) Naphthalene, 2-methyl-	25.19	142	2410985	10.80	ppbv	100
81) 1,2,4-Trichlorobenzene	22.25	180	2414447	9.43	ppbv	99

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

