

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071218\
 Data File : VL032228.D
 Acq On : 12 Jul 2018 18:03
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 5:22:09 PM

Quant Time: Jul 13 03:46:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 13 2018
 QLast Update : Fri Jul 13 03:36:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1785009	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	4650255	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	5124464m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3800474	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.13	85	2115697	8.75	ppbv	100
3) Chlorodifluoromethane	3.06	51	2281336	10.18	ppbv	100
4) Chloromethane	3.23	50	1338529	11.04	ppbv	100
5) Vinyl Chloride	3.35	62	1290451	10.69	ppbv	100
6) Bromomethane	3.57	94	724190	10.51	ppbv	100
7) Chloroethane	3.66	64	451188	10.51	ppbv	100
8) Dichlorotetrafluoroethane	3.27	85	2700812	10.02	ppbv	100
9) Propene	3.09	41	1010439	9.84	ppbv	100
10) Heptane	8.34	43	2851965	9.65	ppbv	100
11) Trichlorofluoromethane	4.07	101	2289435	9.07	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1419908	8.49	ppbv	100
13) Ethanol	3.71	45	236308	7.72	ppbv	99
14) Bromoethene	3.85	108	701819	8.85	ppbv	100
15) Acetone	3.96	43	1814249	8.74	ppbv	100
16) 1,3-Butadiene	3.42	39	1160165	11.24	ppbv	100
17) tert-Butyl alcohol	4.42	59	996698	7.86	ppbv	100
18) 1,1-Dichloroethene	4.42	96	683880	8.61	ppbv	100
19) Isopropyl Alcohol	4.09	45	1376656	8.21	ppbv	99
20) Methylene Chloride	4.48	84	614855	8.15	ppbv	100
21) Allyl Chloride	4.55	41	1217342	8.73	ppbv	100
22) trans-1,2-Dichloroethene	5.04	96	699861	8.36	ppbv	100
23) Vinyl Acetate	5.23	43	3517971	9.32	ppbv	100
24) 1,1-Dichloroethane	5.17	63	2314454	9.47	ppbv	100
25) Ethyl Acetate	5.85	43	3883747	9.01	ppbv	100
26) Hexane	5.86	57	1770053	8.90	ppbv	100
27) Carbon Disulfide	4.69	76	1762756	9.10	ppbv	98
28) Methyl tert-Butyl Ether	5.19	73	3035116	8.76	ppbv	100
29) Chloroform	5.93	83	2694380	9.29	ppbv	100
30) Cyclohexane	7.33	84	1775741	9.34	ppbv	100
31) cis-1,2-Dichloroethene	5.72	61	1899507	9.51	ppbv	100
32) 1,1,1-Trichloroethane	6.71	97	3056631	9.92	ppbv	100
34) 2-Butanone	5.40	43	2799317	9.50	ppbv	100
35) Carbon Tetrachloride	7.22	117	3052010	9.49	ppbv	100
36) Benzene	7.09	78	4355113	9.52	ppbv	100
37) 1,2-Dichloroethane	6.50	62	2316247	10.11	ppbv	100
38) Trichloroethene	8.05	130	1439439	8.32	ppbv	100
39) 1,2-Dichloropropane	7.83	63	1727343	9.67	ppbv	100
40) 1,4-Dioxane	8.04	88	550521	8.23	ppbv #	99
41) Tetrahydrofuran	6.23	42	1741339	9.79	ppbv	100
42) Bromodichloromethane	8.01	83	3404035	9.76	ppbv	100
43) Methyl Methacrylate	8.23	69	1815652	9.80	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	7290539	9.32	ppbv	100
45) t-1,3-Dichloropropene	9.51	75	2483862	10.72	ppbv	100
46) cis-1,3-Dichloropropene	8.93	75	2879204	10.32	ppbv	100
47) 1,1,2-Trichloroethane	9.71	97	1783492	9.66	ppbv	100
48) Dibromochloromethane	10.55	129	2860096	10.06	ppbv	100
49) Bromoform	13.30	173	2333672	9.86	ppbv	100
50) 4-Methyl-2-Pentanone	8.96	43	4906313	9.99	ppbv	100
51) 2-Hexanone	10.36	43	4213497	10.35	ppbv	100
52) Tetrachloroethene	11.47	164	1378818	8.47	ppbv	100
53) Toluene	10.04	91	4985772	9.24	ppbv	100
54) 1,2-Dibromoethane	10.86	107	2672170	9.66	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.38	131	1975767	8.66	ppbv	100
57) Chlorobenzene	12.40	112	3701598	8.38	ppbv	100
58) Ethyl Benzene	12.96	91	6937597	8.42	ppbv	100
59) m/p-Xylene	13.25	91	10985101m	16.61	ppbv	
60) o-Xylene	13.95	91	5349887	8.13	ppbv	100
61) Styrene	13.78	104	4424484	8.30	ppbv	100
62) Isopropylbenzene	14.93	105	7552271	7.53	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.94	83	3962006	7.72	ppbv	100
64) n-propylbenzene	15.82	120	1971208	7.57	ppbv	100
65) tert-Butylbenzene	17.01	119	6175556	7.01	ppbv	100
66) Benzyl Chloride	17.26	91	4218123	7.91	ppbv	100
67) sec-Butylbenzene	17.56	105	9214194	7.13	ppbv	100
69) p-Isopropyltoluene	17.91	119	7392607	7.17	ppbv	100
70) n-Butylbenzene	18.81	91	8256123	7.59	ppbv	100
71) 2-Chlorotoluene	15.72	91	6076190	7.78	ppbv	100
72) 4-Ethyltoluene	16.10	105	6461558	7.64	ppbv	100
73) 1,3,5-Trimethylbenzene	16.26	105	6105189	7.67	ppbv	100
74) 1,2,4-Trimethylbenzene	17.03	105	5945770	7.39	ppbv	100
75) 1,3-Dichlorobenzene	17.27	146	3288650	7.23	ppbv	100
76) 1,4-Dichlorobenzene	17.41	146	3374382	7.34	ppbv	100
77) 1,2-Dichlorobenzene	18.09	146	3294633	7.27	ppbv	100
78) Hexachloro-1,3-Butadiene	23.63	225	986377	6.38	ppbv	100
79) Naphthalene	22.52	128	6070845	8.45	ppbv	100
80) Naphthalene, 2-methyl-	25.19	142	3255607	12.82	ppbv	100
81) 1,2,4-Trichlorobenzene	22.25	180	2700064	8.36	ppbv	100

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

