

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080118\
 Data File : VL032330.D
 Acq On : 1 Aug 2018 19:11
 Operator : SY/AP
 Sample : VL0801ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 2:04:53 PM

Quant Time: Aug 02 01:05:28 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	1875036	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	4805960	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	4998546m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3796756	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	1792642	7.93	ppbv	98
3) Chlorodifluoromethane	3.06	51	1818876	9.70	ppbv	100
4) Chloromethane	3.22	50	1121926	9.88	ppbv	99
5) Vinyl Chloride	3.34	62	1020353	9.89	ppbv	97
6) Bromomethane	3.56	94	557416	9.84	ppbv	93
7) Chloroethane	3.65	64	373786	10.19	ppbv	97
8) Dichlorotetrafluoroethane	3.27	85	2092264	9.16	ppbv	99
9) Propene	3.08	41	871419	10.34	ppbv	99
10) Heptane	8.32	43	3062684	10.35	ppbv	99
11) Trichlorofluoromethane	4.06	101	2074034	9.60	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.61	101	1420609	9.63	ppbv	98
13) Ethanol	3.70	45	222189	9.17	ppbv	99
14) Bromoethene	3.84	108	656954	10.15	ppbv	99
15) Acetone	3.95	43	1856915	10.51	ppbv	99
16) 1,3-Butadiene	3.41	39	905149	9.88	ppbv	96
17) tert-Butyl alcohol	4.42	59	540284	9.62	ppbv	100
18) 1,1-Dichloroethene	4.41	96	690103	10.08	ppbv	95
19) Isopropyl Alcohol	4.08	45	1290749	10.95	ppbv	99
20) Methylene Chloride	4.47	84	634185	8.93	ppbv	98
21) Allyl Chloride	4.54	41	1245621	10.33	ppbv	100
22) trans-1,2-Dichloroethene	5.03	96	708232	10.73	ppbv	99
23) Vinyl Acetate	5.22	43	3342744	10.54	ppbv	98
24) 1,1-Dichloroethane	5.15	63	2215265	9.74	ppbv	99
25) Ethyl Acetate	5.84	43	3802678	9.59	ppbv	100
26) Hexane	5.85	57	1735012	9.67	ppbv	99
27) Carbon Disulfide	4.68	76	1758125	10.78	ppbv	99
28) Methyl tert-Butyl Ether	5.18	73	2587210	10.66	ppbv	100
29) Chloroform	5.92	83	2484929	9.52	ppbv	98
30) Cyclohexane	7.32	84	1535749	10.97	ppbv	100
31) cis-1,2-Dichloroethene	5.71	61	1726534	10.38	ppbv	97
32) 1,1,1-Trichloroethane	6.69	97	2428872	10.51	ppbv	99
34) 2-Butanone	5.39	43	2607927	8.38	ppbv	100
35) Carbon Tetrachloride	7.21	117	2410239	8.83	ppbv	100
36) Benzene	7.08	78	3589359	8.47	ppbv	99
37) 1,2-Dichloroethane	6.49	62	2028592	8.29	ppbv	99
38) Trichloroethene	8.04	130	1400154	8.55	ppbv	97
39) 1,2-Dichloropropane	7.81	63	1778402	8.34	ppbv	98
40) 1,4-Dioxane	8.04	88	522205	8.34	ppbv	88
41) Tetrahydrofuran	6.22	42	1568553	8.91	ppbv	99
42) Bromodichloromethane	8.00	83	3302212	8.33	ppbv	98
43) Methyl Methacrylate	8.22	69	1836704	9.03	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.07	57	7570807	8.24	ppbv	100
45) t-1,3-Dichloropropene	9.49	75	2208895	9.37	ppbv	99
46) cis-1,3-Dichloropropene	8.91	75	2648309	9.17	ppbv	99
47) 1,1,2-Trichloroethane	9.70	97	1658814	8.01	ppbv	99
48) Dibromochloromethane	10.54	129	2590178	8.48	ppbv	99
49) Bromoform	13.29	173	2130062	8.47	ppbv	99
50) 4-Methyl-2-Pentanone	8.95	43	4681810	8.53	ppbv	100
51) 2-Hexanone	10.35	43	3793138	9.07	ppbv #	100
52) Tetrachloroethene	11.46	164	1247376	8.74	ppbv	98
53) Toluene	10.03	91	4701289	9.28	ppbv	99
54) 1,2-Dibromoethane	10.85	107	2495713	8.48	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.37	131	1846937	8.96	ppbv #	55
57) Chlorobenzene	12.39	112	3381921	8.70	ppbv	99
58) Ethyl Benzene	12.95	91	6300836	10.05	ppbv	100
59) m/p-Xylene	13.24	91	10070682m	18.87	ppbv	
60) o-Xylene	13.94	91	4903736	9.37	ppbv	98
61) Styrene	13.77	104	3867422	10.05	ppbv	99
62) Isopropylbenzene	14.91	105	6927766	9.32	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.92	83	3694217	8.68	ppbv	99
64) n-propylbenzene	15.81	120	1815382	9.38	ppbv	98
65) tert-Butylbenzene	16.99	119	5699889	9.08	ppbv	100
66) Benzyl Chloride	17.24	91	3634487	9.71	ppbv	100
67) sec-Butylbenzene	17.54	105	8564678	9.11	ppbv	100
69) p-Isopropyltoluene	17.90	119	6800963	9.34	ppbv	100
70) n-Butylbenzene	18.80	91	7532691	8.96	ppbv	99
71) 2-Chlorotoluene	15.70	91	5562799	9.54	ppbv	100
72) 4-Ethyltoluene	16.08	105	5763634	9.83	ppbv	100
73) 1,3,5-Trimethylbenzene	16.24	105	5401183	9.36	ppbv	100
74) 1,2,4-Trimethylbenzene	17.01	105	5346973	8.79	ppbv	98
75) 1,3-Dichlorobenzene	17.25	146	2972638	8.44	ppbv	99
76) 1,4-Dichlorobenzene	17.39	146	3051500	9.03	ppbv	100
77) 1,2-Dichlorobenzene	18.07	146	2956970	8.54	ppbv	99
78) Hexachloro-1,3-Butadiene	23.62	225	867701	7.13	ppbv	99
79) Naphthalene	22.51	128	5081984	9.63	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	2180284	10.44	ppbv	99
81) 1,2,4-Trichlorobenzene	22.23	180	2396853	9.09	ppbv	99

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

