

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032358.D
 Acq On : 15 Aug 2018 19:09
 Operator : SY/AP
 Sample : VL0815ABS02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS02

Manual Integrations
 APPROVED

MMDadoda
 8/17/2018 2:06:39 PM

Quant Time: Aug 16 06:46:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	2382087	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.36	114	4983019	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	4838398m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.65	95	3672072	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.11	85	2307440	12.15	ppbv	100
3) Chlorodifluoromethane	3.05	51	2013609	9.12	ppbv	100
4) Chloromethane	3.21	50	1228867	9.36	ppbv	98
5) Vinyl Chloride	3.33	62	1194142	9.54	ppbv	100
6) Bromomethane	3.56	94	639704	9.53	ppbv	98
7) Chloroethane	3.64	64	413965	9.43	ppbv	96
8) Dichlorotetrafluoroethane	3.26	85	2367656	8.80	ppbv	99
9) Propene	3.07	41	1005121	10.64	ppbv	99
10) Heptane	8.31	43	2931069	10.30	ppbv	100
11) Trichlorofluoromethane	4.05	101	2423702	9.10	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1632199	9.10	ppbv	99
13) Ethanol	3.69	45	261418	10.78	ppbv	96
14) Bromoethene	3.83	108	710703	9.16	ppbv	99
15) Acetone	3.95	43	1913246	8.45	ppbv	100
16) 1,3-Butadiene	3.40	39	1025675	10.98	ppbv	86
17) tert-Butyl alcohol	4.40	59	382330	10.07	ppbv	100
18) 1,1-Dichloroethene	4.40	96	800017	9.57	ppbv	95
19) Isopropyl Alcohol	4.07	45	1564749	10.27	ppbv	99
20) Methylene Chloride	4.46	84	711358	8.32	ppbv	95
21) Allyl Chloride	4.53	41	1448269	10.14	ppbv	100
22) trans-1,2-Dichloroethene	5.02	96	850901	10.09	ppbv	98
23) Vinyl Acetate	5.21	43	3979792	10.18	ppbv	99
24) 1,1-Dichloroethane	5.14	63	2751383	9.75	ppbv	99
25) Ethyl Acetate	5.83	43	4673116	9.63	ppbv	100
26) Hexane	5.84	57	2131725	9.86	ppbv	100
27) Carbon Disulfide	4.67	76	2047694	10.15	ppbv	100
28) Methyl tert-Butyl Ether	5.17	73	3055095	10.65	ppbv	100
29) Chloroform	5.91	83	3001826	9.47	ppbv	100
30) Cyclohexane	7.31	84	1752747	10.64	ppbv	99
31) cis-1,2-Dichloroethene	5.70	61	2160738	10.21	ppbv	99
32) 1,1,1-Trichloroethane	6.68	97	2828181	9.17	ppbv	99
34) 2-Butanone	5.38	43	3315603	9.78	ppbv	98
35) Carbon Tetrachloride	7.20	117	2788962	9.49	ppbv	96
36) Benzene	7.07	78	4108982	9.73	ppbv	98
37) 1,2-Dichloroethane	6.47	62	2344645	9.15	ppbv	100
38) Trichloroethene	8.03	130	1415662	9.55	ppbv	99
39) 1,2-Dichloropropane	7.80	63	1709816	9.69	ppbv	98
40) 1,4-Dioxane	8.02	88	582625	10.87	ppbv	99
41) Tetrahydrofuran	6.21	42	1921155	10.55	ppbv	99
42) Bromodichloromethane	7.99	83	3248591	9.68	ppbv	99
43) Methyl Methacrylate	8.21	69	1777197	10.56	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.06	57	7401668	9.72	ppbv	100
45) t-1,3-Dichloropropene	9.49	75	2413607	11.34	ppbv	100
46) cis-1,3-Dichloropropene	8.90	75	2839128	11.12	ppbv	99
47) 1,1,2-Trichloroethane	9.68	97	1787703	9.20	ppbv	98
48) Dibromochloromethane	10.52	129	2541843	9.79	ppbv	99
49) Bromoform	13.28	173	2107700	9.77	ppbv	99
50) 4-Methyl-2-Pentanone	8.94	43	4965729	10.14	ppbv	100
51) 2-Hexanone	10.34	43	3702996	10.77	ppbv	100
52) Tetrachloroethene	11.45	164	1214091	9.74	ppbv	96
53) Toluene	10.02	91	4881269	10.54	ppbv	100
54) 1,2-Dibromoethane	10.83	107	2430005	9.74	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.35	131	1820145	9.09	ppbv	99
57) Chlorobenzene	12.38	112	3313102	9.10	ppbv	99
58) Ethyl Benzene	12.94	91	6086617	10.46	ppbv	99
59) m/p-Xylene	13.22	91	9775239m	19.77	ppbv	
60) o-Xylene	13.92	91	4781655	9.84	ppbv	99
61) Styrene	13.76	104	3752514	11.05	ppbv	99
62) Isopropylbenzene	14.90	105	6715933	9.71	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.91	83	3600080	8.81	ppbv	100
64) n-propylbenzene	15.80	120	1766624	9.87	ppbv	100
65) tert-Butylbenzene	16.98	119	5531612	9.36	ppbv	100
66) Benzyl Chloride	17.23	91	3684316	10.53	ppbv	99
67) sec-Butylbenzene	17.53	105	8392922	9.55	ppbv	100
69) p-Isopropyltoluene	17.89	119	6685201	9.94	ppbv	100
70) n-Butylbenzene	18.79	91	7429229	10.07	ppbv	99
71) 2-Chlorotoluene	15.69	91	5392066	10.07	ppbv	100
72) 4-Ethyltoluene	16.07	105	5568181	10.27	ppbv	100
73) 1,3,5-Trimethylbenzene	16.23	105	5371209	10.30	ppbv	99
74) 1,2,4-Trimethylbenzene	17.00	105	5196260	9.37	ppbv	98
75) 1,3-Dichlorobenzene	17.24	146	2963829	8.89	ppbv	100
76) 1,4-Dichlorobenzene	17.38	146	3020814	9.56	ppbv	99
77) 1,2-Dichlorobenzene	18.06	146	2995379	9.40	ppbv	100
78) Hexachloro-1,3-Butadiene	23.61	225	884098	8.27	ppbv	99
79) Naphthalene	22.49	128	5082497	9.80	ppbv	99
80) Naphthalene, 2-methyl-	25.17	142	2137072	19.31	ppbv	99
81) 1,2,4-Trichlorobenzene	22.22	180	2373422	11.06	ppbv	99

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

