

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081618\
 Data File : VL032380.D
 Acq On : 16 Aug 2018 17:02
 Operator : SY/AP
 Sample : VL0816ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Manual Integrations
 APPROVED

apatel
 8/29/2018 12:11:15 PM

Quant Time: Aug 28 13:48:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 28 2018
 QLast Update : Tue Aug 28 13:07:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	1734887	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3637694	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	3430318m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.65	95	2831850	10.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.11	85	1612246	9.12	ppbv	98
3) Chlorodifluoromethane	3.05	51	1450923	9.03	ppbv	96
4) Chloromethane	3.21	50	859281	8.98	ppbv	98
5) Vinyl Chloride	3.33	62	829344	9.10	ppbv	97
6) Bromomethane	3.56	94	470886	9.63	ppbv	99
7) Chloroethane	3.64	64	299365	9.36	ppbv	97
8) Dichlorotetrafluoroethane	3.26	85	1800363	9.18	ppbv	98
9) Propene	3.07	41	635854	9.24	ppbv	99
10) Heptane	8.31	43	2347832	11.33	ppbv	99
11) Trichlorofluoromethane	4.05	101	1863710	9.60	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1199436	9.18	ppbv	99
13) Ethanol	3.69	45	181406	10.27	ppbv	99
14) Bromoethene	3.83	108	548563	9.71	ppbv	99
15) Acetone	3.95	43	1415362	8.59	ppbv	98
16) 1,3-Butadiene	3.40	39	690783	10.15	ppbv	89
17) tert-Butyl alcohol	4.40	59	285209	10.31	ppbv	100
18) 1,1-Dichloroethene	4.40	96	575601	9.45	ppbv	96
19) Isopropyl Alcohol	4.07	45	1143341	10.30	ppbv	100
20) Methylene Chloride	4.46	84	501800	8.06	ppbv	96
21) Allyl Chloride	4.52	41	1040400	10.00	ppbv	95
22) trans-1,2-Dichloroethene	5.01	96	570361	9.29	ppbv	98
23) Vinyl Acetate	5.21	43	2560442	9.00	ppbv	99
24) 1,1-Dichloroethane	5.14	63	1809945	8.81	ppbv	100
25) Ethyl Acetate	5.82	43	3455706	9.78	ppbv	100
26) Hexane	5.84	57	1590428	10.10	ppbv	99
27) Carbon Disulfide	4.67	76	1501598	10.22	ppbv	99
28) Methyl tert-Butyl Ether	5.16	73	2081310	9.96	ppbv	99
29) Chloroform	5.91	83	2221869	9.63	ppbv	100
30) Cyclohexane	7.31	84	1309054	10.91	ppbv	99
31) cis-1,2-Dichloroethene	5.70	61	1643031	10.66	ppbv	98
32) 1,1,1-Trichloroethane	6.68	97	2316552	10.31	ppbv	99
34) 2-Butanone	5.38	43	2352591	9.50	ppbv	98
35) Carbon Tetrachloride	7.20	117	2321507	10.82	ppbv	98
36) Benzene	7.07	78	2916314	9.46	ppbv	100
37) 1,2-Dichloroethane	6.47	62	1921896	10.27	ppbv	98
38) Trichloroethene	8.03	130	1067060	9.86	ppbv	97
39) 1,2-Dichloropropane	7.80	63	1232955	9.57	ppbv	98
40) 1,4-Dioxane	8.02	88	428790	10.96	ppbv	95
41) Tetrahydrofuran	6.20	42	1398039	10.52	ppbv	99
42) Bromodichloromethane	7.98	83	2565628	10.47	ppbv	99
43) Methyl Methacrylate	8.20	69	1352156	11.00	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.06	57	5560547	10.00	ppbv	99
45) t-1,3-Dichloropropene	9.48	75	1841681	11.85	ppbv	98
46) cis-1,3-Dichloropropene	8.90	75	2156875	11.57	ppbv	97
47) 1,1,2-Trichloroethane	9.68	97	1233357	8.70	ppbv	99
48) Dibromochloromethane	10.52	129	1908675	10.07	ppbv	100
49) Bromoform	13.27	173	1611317	10.23	ppbv	99
50) 4-Methyl-2-Pentanone	8.94	43	3695257	10.33	ppbv	100
51) 2-Hexanone	10.34	43	2762980	11.00	ppbv	99
52) Tetrachloroethene	11.44	164	894545	9.84	ppbv	97
53) Toluene	10.02	91	3450411	10.21	ppbv	99
54) 1,2-Dibromoethane	10.83	107	1820285	10.00	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.35	131	1407883	9.92	ppbv #	57
57) Chlorobenzene	12.37	112	2485452	9.63	ppbv	97
58) Ethyl Benzene	12.94	91	4616944	11.19	ppbv	97
59) m/p-Xylene	13.22	91	7548409m	21.53	ppbv	
60) o-Xylene	13.92	91	3637131	10.55	ppbv	98
61) Styrene	13.76	104	2808531	11.66	ppbv	99
62) Isopropylbenzene	14.89	105	5315775	10.84	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.91	83	2720709	9.39	ppbv	100
64) n-propylbenzene	15.79	120	1320028	10.40	ppbv	93
65) tert-Butylbenzene	16.98	119	4183422	9.98	ppbv	98
66) Benzyl Chloride	17.23	91	2801149	11.29	ppbv	98
67) sec-Butylbenzene	17.53	105	6373436	10.23	ppbv	99
69) p-Isopropyltoluene	17.88	119	5229041	10.97	ppbv	99
70) n-Butylbenzene	18.78	91	6002424	11.48	ppbv	99
71) 2-Chlorotoluene	15.69	91	4179959	11.01	ppbv	99
72) 4-Ethyltoluene	16.07	105	4269610	11.11	ppbv	98
73) 1,3,5-Trimethylbenzene	16.23	105	4011750	10.85	ppbv	99
74) 1,2,4-Trimethylbenzene	17.00	105	4000937	10.17	ppbv	99
75) 1,3-Dichlorobenzene	17.23	146	2220137	9.39	ppbv	99
76) 1,4-Dichlorobenzene	17.38	146	2255043	10.07	ppbv	99
77) 1,2-Dichlorobenzene	18.06	146	2329700	10.31	ppbv	99
78) Hexachloro-1,3-Butadiene	23.61	225	744578	9.82	ppbv	99
79) Naphthalene	22.49	128	3993606	13.91	ppbv	98
80) Naphthalene, 2-methyl-	25.17	142	1608029	20.49	ppbv	98
81) 1,2,4-Trichlorobenzene	22.22	180	1869161	12.29	ppbv	100

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

