

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081618\
 Data File : VL032381.D
 Acq On : 16 Aug 2018 17:41
 Operator : SY/AP
 Sample : VL0816ABSD01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABSD01

Manual Integrations
 APPROVED

MMDadoda
 8/28/2018 2:53:00 PM

Quant Time: Aug 28 13:51:04 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	1623691	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.36	114	3670816	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	3581533m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.65	95	2768022	10.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.11	85	1585761	9.58	ppbv	99
3) Chlorodifluoromethane	3.05	51	1483456	9.86	ppbv	98
4) Chloromethane	3.21	50	879888	9.83	ppbv	100
5) Vinyl Chloride	3.33	62	853706	10.00	ppbv	96
6) Bromomethane	3.55	94	478345	10.46	ppbv	100
7) Chloroethane	3.64	64	304009	10.16	ppbv	91
8) Dichlorotetrafluoroethane	3.26	85	1819256	9.92	ppbv	99
9) Propene	3.07	41	680726	10.57	ppbv	99
10) Heptane	8.31	43	2398647	12.37	ppbv	100
11) Trichlorofluoromethane	4.05	101	1880231	10.35	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1243514	10.17	ppbv	98
13) Ethanol	3.69	45	190271	11.51	ppbv	98
14) Bromoethene	3.83	108	559301	10.58	ppbv	99
15) Acetone	3.95	43	1451603	9.41	ppbv	98
16) 1,3-Butadiene	3.40	39	716667	11.25	ppbv	87
17) tert-Butyl alcohol	4.40	59	301232	11.64	ppbv	97
18) 1,1-Dichloroethene	4.40	96	592536	10.40	ppbv	100
19) Isopropyl Alcohol	4.07	45	1194606	11.50	ppbv #	99
20) Methylene Chloride	4.45	84	521798	8.96	ppbv	93
21) Allyl Chloride	4.53	41	1082509	11.12	ppbv	95
22) trans-1,2-Dichloroethene	5.02	96	596529	10.38	ppbv	95
23) Vinyl Acetate	5.21	43	2698072	10.13	ppbv	99
24) 1,1-Dichloroethane	5.14	63	1879865	9.77	ppbv	99
25) Ethyl Acetate	5.82	43	3278015	9.92	ppbv	100
26) Hexane	5.84	57	1481221	10.05	ppbv	98
27) Carbon Disulfide	4.67	76	1544891	11.23	ppbv	98
28) Methyl tert-Butyl Ether	5.16	73	2175011	11.12	ppbv	98
29) Chloroform	5.91	83	2235870	10.35	ppbv	98
30) Cyclohexane	7.31	84	1316054	11.72	ppbv	99
31) cis-1,2-Dichloroethene	5.70	61	1692294	11.74	ppbv	98
32) 1,1,1-Trichloroethane	6.68	97	2164286	10.30	ppbv	99
34) 2-Butanone	5.38	43	2518147	10.08	ppbv	98
35) Carbon Tetrachloride	7.20	117	2333126	10.78	ppbv	99
36) Benzene	7.07	78	3088367	9.92	ppbv	99
37) 1,2-Dichloroethane	6.47	62	1959588	10.38	ppbv	98
38) Trichloroethene	8.03	130	1078460	9.88	ppbv	99
39) 1,2-Dichloropropane	7.80	63	1280029	9.85	ppbv	98
40) 1,4-Dioxane	8.02	88	454754	11.52	ppbv	95
41) Tetrahydrofuran	6.21	42	1462955	10.91	ppbv	100
42) Bromodichloromethane	7.98	83	2588619	10.47	ppbv	96
43) Methyl Methacrylate	8.20	69	1483030	11.96	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.05	57	5631872	10.04	ppbv	99
45) t-1,3-Dichloropropene	9.48	75	1856043	11.83	ppbv	99
46) cis-1,3-Dichloropropene	8.90	75	2186462	11.62	ppbv	95
47) 1,1,2-Trichloroethane	9.68	97	1236739	8.64	ppbv	95
48) Dibromochloromethane	10.52	129	1980234	10.35	ppbv	99
49) Bromoform	13.28	173	1624549	10.22	ppbv	100
50) 4-Methyl-2-Pentanone	8.94	43	3764418	10.43	ppbv	100
51) 2-Hexanone	10.34	43	2793458	11.02	ppbv #	99
52) Tetrachloroethene	11.44	164	917594	10.00	ppbv	98
53) Toluene	10.02	91	3521850	10.32	ppbv	99
54) 1,2-Dibromoethane	10.83	107	1851786	10.08	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.35	131	1412254	9.53	ppbv #	58
57) Chlorobenzene	12.37	112	2545982	9.44	ppbv	95
58) Ethyl Benzene	12.94	91	4748074	11.02	ppbv	98
59) m/p-Xylene	13.22	91	7657722m	20.92	ppbv	
60) o-Xylene	13.92	91	3694096	10.27	ppbv	99
61) Styrene	13.76	104	2859718	11.37	ppbv	98
62) Isopropylbenzene	14.90	105	5261161	10.27	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.91	83	2772528	9.16	ppbv	100
64) n-propylbenzene	15.79	120	1390903	10.49	ppbv	93
65) tert-Butylbenzene	16.98	119	4286287	9.80	ppbv	99
66) Benzyl Chloride	17.23	91	2883996	11.13	ppbv	98
67) sec-Butylbenzene	17.53	105	6458539	9.93	ppbv	99
69) p-Isopropyltoluene	17.88	119	5411778	10.87	ppbv	99
70) n-Butylbenzene	18.78	91	5912138	10.83	ppbv	99
71) 2-Chlorotoluene	15.69	91	4355730	10.99	ppbv	99
72) 4-Ethyltoluene	16.07	105	4511789	11.24	ppbv	99
73) 1,3,5-Trimethylbenzene	16.22	105	4280876	11.09	ppbv	97
74) 1,2,4-Trimethylbenzene	17.00	105	4056141	9.88	ppbv	98
75) 1,3-Dichlorobenzene	17.24	146	2241957	9.08	ppbv	99
76) 1,4-Dichlorobenzene	17.38	146	2295149	9.82	ppbv	99
77) 1,2-Dichlorobenzene	18.06	146	2351294	9.97	ppbv	99
78) Hexachloro-1,3-Butadiene	23.60	225	779667	9.85	ppbv	99
79) Naphthalene	22.49	128	4085037	13.63	ppbv	99
80) Naphthalene, 2-methyl-	25.16	142	1647223	20.10	ppbv	99
81) 1,2,4-Trichlorobenzene	22.22	180	1873543	11.80	ppbv	98

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

