

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
 Data File : VL032551.D
 Acq On : 27 Sep 2018 15:48
 Operator : SY/AP
 Sample : VL0927ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:57:36 AM

Quant Time: Sep 28 02:28:06 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 28

QLast Update : Tue Sep 25 05:17:15 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1421126	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.33	114	3345661	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	3601463m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2602329	9.58	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	1794188	13.650	ppbv	99
3) Chlorodifluoromethane	3.03	51	1106413	9.362	ppbv	97
4) Chloromethane	3.19	50	637516	9.251	ppbv	100
5) Vinyl Chloride	3.31	62	624927	8.975	ppbv	100
6) Bromomethane	3.53	94	362090	9.509	ppbv	99
7) Chloroethane	3.62	64	240054	9.676	ppbv	99
8) Dichlorotetrafluoroethane	3.24	85	1409262	9.813	ppbv	99
9) Propene	3.05	41	490596	9.568	ppbv	100
10) Heptane	8.28	43	1942779	10.330	ppbv	98
11) Trichlorofluoromethane	4.02	101	1575718	10.084	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.58	101	1276348	9.993	ppbv	99
13) Ethanol	3.67	45	115219	7.476	ppbv	100
14) Bromoethene	3.81	108	478032	10.547	ppbv	99
15) Acetone	3.92	43	1187383	9.519	ppbv	100
16) 1,3-Butadiene	3.38	39	477648	9.442	ppbv	96
17) tert-Butyl alcohol	4.38	59	153972	9.823	ppbv #	100
18) 1,1-Dichloroethene	4.38	96	607747	10.160	ppbv	92
19) Isopropyl Alcohol	4.04	45	788974	9.080	ppbv	99
20) Methylene Chloride	4.43	84	541945	8.972	ppbv	95
21) Allyl Chloride	4.50	41	1054905	10.347	ppbv	99
22) trans-1,2-Dichloroethene	4.99	96	586324	10.400	ppbv	99
23) Vinyl Acetate	5.18	43	2202665	9.993	ppbv	98
24) 1,1-Dichloroethane	5.12	63	1772198	9.655	ppbv	99
25) Ethyl Acetate	5.80	43	2840589	9.385	ppbv	100
26) Hexane	5.81	57	1315053	9.618	ppbv	99
27) Carbon Disulfide	4.64	76	1589425	10.814	ppbv	99
28) Methyl tert-Butyl Ether	5.14	73	1832753	10.761	ppbv	98
29) Chloroform	5.88	83	2035680	9.704	ppbv	98
30) Cyclohexane	7.28	84	1214969	10.914	ppbv	97
31) cis-1,2-Dichloroethene	5.67	61	1334501	10.248	ppbv	98
32) 1,1,1-Trichloroethane	6.65	97	2054952	9.192	ppbv	98
34) 2-Butanone	5.35	43	1925802	9.666	ppbv	99
35) Carbon Tetrachloride	7.16	117	2185676	9.401	ppbv	98
36) Benzene	7.04	78	2817699	10.421	ppbv	99
37) 1,2-Dichloroethane	6.44	62	1633242	10.023	ppbv	98
38) Trichloroethene	7.99	130	1057907	10.222	ppbv	98
39) 1,2-Dichloropropane	7.77	63	1175916	9.651	ppbv	98
40) 1,4-Dioxane	7.99	88	366659	9.814	ppbv	94
41) Tetrahydrofuran	6.18	42	1191979	11.012	ppbv	97
42) Bromodichloromethane	7.95	83	2418971	9.909	ppbv	99
43) Methyl Methacrylate	8.17	69	1222390	10.823	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	5168839	9.782	ppbv	99
45) t-1,3-Dichloropropene	9.45	75	1609958	11.459	ppbv	100
46) cis-1,3-Dichloropropene	8.87	75	1757931	10.667	ppbv	98
47) 1,1,2-Trichloroethane	9.65	97	1300621	9.611	ppbv	99
48) Dibromochloromethane	10.49	129	2166020	10.179	ppbv	100
49) Bromoform	13.24	173	1681495	10.341	ppbv	100
50) 4-Methyl-2-Pentanone	8.90	43	3001197	9.583	ppbv	99
51) 2-Hexanone	10.31	43	2720021	10.502	ppbv	100
52) Tetrachloroethene	11.41	164	915440	9.724	ppbv	99
53) Toluene	9.98	91	3622531	10.994	ppbv	100
54) 1,2-Dibromoethane	10.80	107	1936736	10.062	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.32	131	1453154	8.976	ppbv #	62
57) Chlorobenzene	12.34	112	2531810	8.727	ppbv	98
58) Ethyl Benzene	12.90	91	4515567	10.336	ppbv	99
59) m/p-Xylene	13.19	91	7468974m	19.216	ppbv	
60) o-Xylene	13.88	91	3681314	9.728	ppbv	100
61) Styrene	13.72	104	2675937	10.810	ppbv	99
62) Isopropylbenzene	14.86	105	5171486	9.663	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.87	83	2796930	8.319	ppbv	99
64) n-propylbenzene	15.76	120	1334058	9.703	ppbv	98
65) tert-Butylbenzene	16.95	119	4326752	9.433	ppbv	99
66) Benzyl Chloride	17.19	91	2558108	9.676	ppbv	100
67) sec-Butylbenzene	17.50	105	6421157	9.415	ppbv	99
69) p-Isopropyltoluene	17.85	119	5075297	9.635	ppbv	100
70) n-Butylbenzene	18.75	91	5529092	9.610	ppbv	99
71) 2-Chlorotoluene	15.66	91	4024828	9.874	ppbv	99
72) 4-Ethyltoluene	16.04	105	4191370	10.204	ppbv	100
73) 1,3,5-Trimethylbenzene	16.19	105	4030705	10.098	ppbv	98
74) 1,2,4-Trimethylbenzene	16.96	105	4044177	9.409	ppbv	99
75) 1,3-Dichlorobenzene	17.20	146	2235666	8.430	ppbv	99
76) 1,4-Dichlorobenzene	17.35	146	2226692	9.169	ppbv	100
77) 1,2-Dichlorobenzene	18.03	146	2205107	8.841	ppbv	100
78) Hexachloro-1,3-Butadiene	23.58	225	726487	7.761	ppbv	100
79) Naphthalene	22.46	128	3500428	11.292	ppbv	100
80) Naphthalene,2-methyl-	25.14	142	1044150	14.347	ppbv	99
81) 1,2,4-Trichlorobenzene	22.18	180	1643358	10.343	ppbv	99

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

