

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL113018\
 Data File : VL032848.D
 Acq On : 30 Nov 2018 13:42
 Operator : SY/AP
 Sample : VL1130ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 4:14:59 PM

Quant Time: Dec 01 02:35:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 1
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1437633	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3554380	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3547616m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2706189	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	1288089	6.233	ppbv 100
3) Chlorodifluoromethane	3.02	51	1038850	9.115	ppbv 98
4) Chloromethane	3.17	50	545762	8.635	ppbv 96
5) Vinyl Chloride	3.30	62	568688	8.492	ppbv 100
6) Bromomethane	3.52	94	389499	9.508	ppbv 95
7) Chloroethane	3.61	64	221942	9.195	ppbv 94
8) Dichlorotetrafluoroethane	3.22	85	1480085	9.089	ppbv 98
9) Propene	3.04	41	401741	8.808	ppbv 98
10) Heptane	8.26	43	1730296	9.937	ppbv 100
11) Trichlorofluoromethane	4.01	101	2274501	11.679	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1548532	9.735	ppbv 97
13) Ethanol	3.66	45	106308	7.116	ppbv 100
14) Bromoethene	3.80	108	514008	9.740	ppbv 100
15) Acetone	3.91	43	1262001	9.612	ppbv 100
16) 1,3-Butadiene	3.37	39	483287	9.505	ppbv 95
17) tert-Butyl alcohol	4.36	59	436454	10.600	ppbv 100
18) 1,1-Dichloroethene	4.36	96	795189	10.166	ppbv 98
19) Isopropyl Alcohol	4.03	45	1012142	11.572	ppbv 100
20) Methylene Chloride	4.42	84	691593	10.175	ppbv 94
21) Allyl Chloride	4.49	41	1071092	9.708	ppbv 98
22) trans-1,2-Dichloroethene	4.97	96	778271	10.189	ppbv 100
23) Vinyl Acetate	5.17	43	2308337	9.645	ppbv 99
24) 1,1-Dichloroethane	5.10	63	1806940	9.497	ppbv 99
25) Ethyl Acetate	5.78	43	3029960	9.902	ppbv 100
26) Hexane	5.79	57	1393610	10.231	ppbv 99
27) Carbon Disulfide	4.63	76	1952450	11.304	ppbv 99
28) Methyl tert-Butyl Ether	5.12	73	2231205	10.272	ppbv 99
29) Chloroform	5.86	83	2425089	9.989	ppbv 96
30) Cyclohexane	7.26	84	1193506	10.018	ppbv 98
31) cis-1,2-Dichloroethene	5.65	61	1365255	9.969	ppbv 96
32) 1,1,1-Trichloroethane	6.63	97	2486624	9.344	ppbv 99
34) 2-Butanone	5.34	43	1824265	9.896	ppbv 99
35) Carbon Tetrachloride	7.15	117	2708570	9.479	ppbv 99
36) Benzene	7.02	78	2803120	9.904	ppbv 98
37) 1,2-Dichloroethane	6.42	62	1886535	9.901	ppbv 100
38) Trichloroethene	7.97	130	1199000	10.468	ppbv 97
39) 1,2-Dichloropropane	7.75	63	1027895	9.532	ppbv 94
40) 1,4-Dioxane	7.97	88	404227	10.495	ppbv 84
41) Tetrahydrofuran	6.16	42	1074580	10.162	ppbv 98
42) Bromodichloromethane	7.93	83	2589278	10.025	ppbv 99
43) Methyl Methacrylate	8.15	69	1121924	10.617	ppbv 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4745025	10.032	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1712997	12.081	ppbv	97
46) cis-1,3-Dichloropropene	8.85	75	1833817	10.705	ppbv	99
47) 1,1,2-Trichloroethane	9.63	97	1267586	9.941	ppbv	100
48) Dibromochloromethane	10.46	129	2314067	10.677	ppbv	99
49) Bromoform	13.22	173	1998789	11.167	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	2717501	9.438	ppbv	99
51) 2-Hexanone	10.28	43	2065856	11.136	ppbv #	100
52) Tetrachloroethene	11.38	164	1052259	10.687	ppbv	98
53) Toluene	9.96	91	3342451	11.320	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1905483	10.571	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.29	131	1630378	9.853	ppbv	98
57) Chlorobenzene	12.32	112	2608044	9.604	ppbv	98
58) Ethyl Benzene	12.88	91	4606733	10.790	ppbv	99
59) m/p-Xylene	13.17	91	7694669m	20.245	ppbv	
60) o-Xylene	13.86	91	3787217	9.910	ppbv	99
61) Styrene	13.70	104	2794995	11.235	ppbv	99
62) Isopropylbenzene	14.84	105	5418923	10.490	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2618275	8.789	ppbv	100
64) n-propylbenzene	15.73	120	1395106	10.268	ppbv	96
65) tert-Butylbenzene	16.92	119	4849703	10.473	ppbv	99
66) Benzyl Chloride	17.17	91	2709764	10.585	ppbv	100
67) sec-Butylbenzene	17.47	105	6747412	10.111	ppbv	99
69) p-Isopropyltoluene	17.83	119	5505603	10.376	ppbv	99
70) n-Butylbenzene	18.73	91	5431432	10.081	ppbv	99
71) 2-Chlorotoluene	15.63	91	3999824	10.383	ppbv	99
72) 4-Ethyltoluene	16.01	105	4380348	10.457	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	4198188	10.251	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	4297693	9.806	ppbv	98
75) 1,3-Dichlorobenzene	17.18	146	2393531	9.521	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2349222	10.004	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2327293	10.007	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	944230	7.523	ppbv	99
79) Naphthalene	22.42	128	2860242	9.935	ppbv	100
80) Naphthalene, 2-methyl-	25.12	142	715389	9.921	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1577440	10.911	ppbv	100

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

