

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
 Data File : VL032929.D
 Acq On : 7 Dec 2018 11:07
 Operator : SY/AP
 Sample : VL1207ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:08:36 AM

Quant Time: Dec 08 03:09:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1170835	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3069405	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3213187m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2308146	9.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1053493	6.740	ppbv	99
3) Chlorodifluoromethane	3.02	51	890405	10.042	ppbv	99
4) Chloromethane	3.17	50	477511	9.250	ppbv	99
5) Vinyl Chloride	3.29	62	493656	9.398	ppbv	99
6) Bromomethane	3.52	94	343176	10.446	ppbv	100
7) Chloroethane	3.60	64	194744	10.345	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1267175	9.756	ppbv	99
9) Propene	3.04	41	350809	10.005	ppbv	97
10) Heptane	8.25	43	1445878	10.978	ppbv	100
11) Trichlorofluoromethane	4.01	101	1461983	9.928	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1346954	10.721	ppbv	99
13) Ethanol	3.66	45	99465	8.239	ppbv	97
14) Bromoethene	3.79	108	435977	10.452	ppbv	99
15) Acetone	3.90	43	906137	9.017	ppbv	99
16) 1,3-Butadiene	3.37	39	406834	10.204	ppbv	98
17) tert-Butyl alcohol	4.36	59	333987m	13.053	ppbv	
18) 1,1-Dichloroethene	4.36	96	531771	10.807	ppbv	98
19) Isopropyl Alcohol	4.03	45	693972	10.996	ppbv	99
20) Methylene Chloride	4.41	84	544851	11.093	ppbv	94
21) Allyl Chloride	4.48	41	1001867	12.233	ppbv	100
22) trans-1,2-Dichloroethene	4.97	96	594750	9.739	ppbv	95
23) Vinyl Acetate	5.16	43	1934630	11.370	ppbv	100
24) 1,1-Dichloroethane	5.10	63	1590515	10.750	ppbv	99
25) Ethyl Acetate	5.78	43	2288988	9.642	ppbv	100
26) Hexane	5.79	57	1062716	9.696	ppbv	99
27) Carbon Disulfide	4.62	76	1471036	10.734	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	1969011	11.962	ppbv	100
29) Chloroform	5.86	83	1813092	9.271	ppbv	98
30) Cyclohexane	7.25	84	985757	10.851	ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	1085143	10.789	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	1901466	9.189	ppbv	100
34) 2-Butanone	5.34	43	1508262	11.281	ppbv	100
35) Carbon Tetrachloride	7.14	117	2244923	9.305	ppbv	98
36) Benzene	7.01	78	2325017	10.299	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1414275	9.201	ppbv	99
38) Trichloroethene	7.97	130	984298	10.476	ppbv	98
39) 1,2-Dichloropropane	7.74	63	863505	10.085	ppbv	96
40) 1,4-Dioxane	7.96	88	325014	10.306	ppbv #	97
41) Tetrahydrofuran	6.15	42	887339	10.671	ppbv	100
42) Bromodichloromethane	7.92	83	2186371	10.267	ppbv	100
43) Methyl Methacrylate	8.14	69	948214	11.335	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4018225	10.485	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1366209	13.320	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	1348708	10.743	ppbv	97
47) 1,1,2-Trichloroethane	9.62	97	962266	10.211	ppbv	98
48) Dibromochloromethane	10.46	129	1828825	10.345	ppbv	100
49) Bromoform	13.21	173	1574582	10.829	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	2070238	9.683	ppbv	99
51) 2-Hexanone	10.28	43	1667766	11.502	ppbv #	99
52) Tetrachloroethene	11.38	164	847174	10.316	ppbv	97
53) Toluene	9.95	91	2765230	11.549	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1565122	10.631	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.29	131	1328151	9.271	ppbv	99
57) Chlorobenzene	12.31	112	2134596	9.198	ppbv	97
58) Ethyl Benzene	12.87	91	3775633	11.015	ppbv	98
59) m/p-Xylene	13.13	91	6454098m	20.768	ppbv	
60) o-Xylene	13.86	91	3176834	10.123	ppbv	100
61) Styrene	13.69	104	2432702	11.653	ppbv	100
62) Isopropylbenzene	14.84	105	4437252	10.134	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2202340	9.037	ppbv	100
64) n-propylbenzene	15.73	120	1204923	10.595	ppbv	99
65) tert-Butylbenzene	16.92	119	4319207	10.640	ppbv	99
66) Benzyl Chloride	17.16	91	2549793	11.333	ppbv	100
67) sec-Butylbenzene	17.47	105	6069426	10.142	ppbv	100
69) p-Isopropyltoluene	17.83	119	5010638	10.331	ppbv	100
70) n-Butylbenzene	18.72	91	4648918	10.418	ppbv	100
71) 2-Chlorotoluene	15.63	91	3489599	10.717	ppbv	99
72) 4-Ethyltoluene	16.01	105	3849085	10.986	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	3474179	10.157	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	3944419	10.213	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	2188778	9.624	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	2123045	10.004	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	2098933	9.882	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	922676	7.899	ppbv	99
79) Naphthalene	22.42	128	2699922	10.827	ppbv	97
80) Naphthalene,2-methyl-	25.12	142	750528	14.086	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1357509	10.264	ppbv	99

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

