

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120418\
 Data File : VL032902.D
 Acq On : 5 Dec 2018 7:51
 Operator : SY/AP
 Sample : VL1204ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/10/2018 1:02:12 PM

Quant Time: Dec 05 09:44:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
 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	1394213	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3546972	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3799595m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2679876	9.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1755538	8.760	ppbv	100
3) Chlorodifluoromethane	3.02	51	1058998	9.581	ppbv	96
4) Chloromethane	3.17	50	600445	9.797	ppbv	98
5) Vinyl Chloride	3.30	62	626603	9.648	ppbv	99
6) Bromomethane	3.52	94	389374	9.801	ppbv	92
7) Chloroethane	3.61	64	230267	9.837	ppbv	93
8) Dichlorotetrafluoroethane	3.22	85	1450022	9.182	ppbv	95
9) Propene	3.04	41	501201	11.331	ppbv	100
10) Heptane	8.25	43	1923457	11.390	ppbv	98
11) Trichlorofluoromethane	4.01	101	2027858	10.737	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1429810	9.268	ppbv	95
13) Ethanol	3.65	45	126276	8.716	ppbv	98
14) Bromoethene	3.79	108	496050	9.692	ppbv	98
15) Acetone	3.90	43	1096777	8.614	ppbv	99
16) 1,3-Butadiene	3.37	39	512862	10.401	ppbv	92
17) tert-Butyl alcohol	4.36	59	333641	8.355	ppbv	99
18) 1,1-Dichloroethene	4.35	96	538670	7.101	ppbv	98
19) Isopropyl Alcohol	4.03	45	1151871	13.580	ppbv	# 99
20) Methylene Chloride	4.41	84	461164	6.996	ppbv	99
21) Allyl Chloride	4.48	41	874172	8.170	ppbv	98
22) trans-1,2-Dichloroethene	4.97	96	740194	9.992	ppbv	98
23) Vinyl Acetate	5.16	43	2370597	10.214	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1736164	9.409	ppbv	99
25) Ethyl Acetate	5.78	43	3237950	10.911	ppbv	100
26) Hexane	5.79	57	1490498	11.283	ppbv	99
27) Carbon Disulfide	4.62	76	1884260	11.249	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2243240	10.649	ppbv	99
29) Chloroform	5.86	83	2324337	9.872	ppbv	96
30) Cyclohexane	7.25	84	1306747	11.310	ppbv	96
31) cis-1,2-Dichloroethene	5.65	61	1313473	9.890	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	2337801	9.059	ppbv	98
34) 2-Butanone	5.34	43	1886305	10.253	ppbv	99
35) Carbon Tetrachloride	7.14	117	2477295	8.688	ppbv	99
36) Benzene	7.01	78	3085330	10.923	ppbv	97
37) 1,2-Dichloroethane	6.42	62	1708866	8.988	ppbv	97
38) Trichloroethene	7.97	130	1244542	10.888	ppbv	97
39) 1,2-Dichloropropane	7.75	63	1175710	10.925	ppbv	92
40) 1,4-Dioxane	7.96	88	449184	11.686	ppbv	80
41) Tetrahydrofuran	6.15	42	1256420	11.906	ppbv	98
42) Bromodichloromethane	7.93	83	2524312	9.794	ppbv	98
43) Methyl Methacrylate	8.15	69	1221406	11.583	ppbv	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	5150492	10.912	ppbv	98
45) t-1,3-Dichloropropene	9.42	75	1693279	11.967	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	1891024	11.062	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	1274878	10.019	ppbv	97
48) Dibromochloromethane	10.46	129	2319830	10.726	ppbv	99
49) Bromoform	13.21	173	2080586	11.648	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	2956930	10.291	ppbv	100
51) 2-Hexanone	10.28	43	2244267	12.123	ppbv	99
52) Tetrachloroethene	11.38	164	1127495	11.475	ppbv	98
53) Toluene	9.95	91	3621179	12.289	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1968425	10.943	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1735836	9.795	ppbv	98
57) Chlorobenzene	12.31	112	2952935	10.153	ppbv	98
58) Ethyl Benzene	12.87	91	5198749	11.369	ppbv	98
59) m/p-Xylene	13.16	91	8454786m	20.770	ppbv	
60) o-Xylene	13.86	91	4107831	10.036	ppbv	97
61) Styrene	13.70	104	3266111	12.258	ppbv	96
62) Isopropylbenzene	14.83	105	6075753	10.982	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	2798652	8.771	ppbv	98
64) n-propylbenzene	15.73	120	1522363	10.462	ppbv	90
65) tert-Butylbenzene	16.92	119	4910223	9.901	ppbv	95
66) Benzyl Chloride	17.16	91	2741049	9.997	ppbv	99
67) sec-Butylbenzene	17.47	105	6849274	9.583	ppbv	99
69) p-Isopropyltoluene	17.82	119	5559700	9.783	ppbv	97
70) n-Butylbenzene	18.72	91	5389070	9.339	ppbv	99
71) 2-Chlorotoluene	15.62	91	4416926	10.705	ppbv	97
72) 4-Ethyltoluene	16.01	105	4506958	10.046	ppbv	98
73) 1,3,5-Trimethylbenzene	16.16	105	4270418	9.736	ppbv	99
74) 1,2,4-Trimethylbenzene	16.94	105	4254693	9.064	ppbv	93
75) 1,3-Dichlorobenzene	17.17	146	2422291	8.997	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2377119	9.452	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2348238	9.427	ppbv	98
78) Hexachloro-1,3-Butadiene	23.55	225	1009449	7.509	ppbv	100
79) Naphthalene	22.42	128	3323063	10.777	ppbv	100
80) Naphthalene, 2-methyl-	25.12	142	768805	9.955	ppbv	96
81) 1,2,4-Trichlorobenzene	22.14	180	1648264	10.644	ppbv	99

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

