

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071918\
 Data File : VL032307.D
 Acq On : 20 Jul 2018 10:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 2:06:32 PM

Quant Time: Jul 20 12:19:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1497754	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3202387	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4092962m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.67	95	3031274	9.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	1542044	6.06	ppbv	100
3) Chlorodifluoromethane	3.06	51	1813852	10.79	ppbv	98
4) Chloromethane	3.22	50	1104181	11.16	ppbv	99
5) Vinyl Chloride	3.34	62	1033029	11.01	ppbv	98
6) Bromomethane	3.57	94	553036	10.81	ppbv	94
7) Chloroethane	3.65	64	361167	10.86	ppbv	99
8) Dichlorotetrafluoroethane	3.27	85	2082098	10.02	ppbv	100
9) Propene	3.08	41	903860	12.30	ppbv	99
10) Heptane	8.33	43	3074979	13.17	ppbv	98
11) Trichlorofluoromethane	4.06	101	1958352	9.83	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.61	101	1319743	10.39	ppbv	99
13) Ethanol	3.70	45	215574	10.27	ppbv	97
14) Bromoethene	3.84	108	636068	11.11	ppbv	100
15) Acetone	3.96	43	1578773	10.07	ppbv	99
16) 1,3-Butadiene	3.41	39	891775	11.17	ppbv	97
17) tert-Butyl alcohol	4.41	59	572512	11.58	ppbv	100
18) 1,1-Dichloroethene	4.41	96	635128	10.71	ppbv	99
19) Isopropyl Alcohol	4.08	45	1216020	11.47	ppbv	100
20) Methylene Chloride	4.47	84	559590	9.27	ppbv	99
21) Allyl Chloride	4.54	41	1164569	11.28	ppbv	97
22) trans-1,2-Dichloroethene	5.03	96	682132	11.08	ppbv	96
23) Vinyl Acetate	5.22	43	3306765	11.76	ppbv	100
24) 1,1-Dichloroethane	5.16	63	2184372	10.71	ppbv	99
25) Ethyl Acetate	5.84	43	3761637	11.02	ppbv	99
26) Hexane	5.85	57	1707516	10.89	ppbv	99
27) Carbon Disulfide	4.68	76	1646082	11.85	ppbv	100
28) Methyl tert-Butyl Ether	5.18	73	2571640	11.06	ppbv	100
29) Chloroform	5.92	83	2408615	10.42	ppbv	97
30) Cyclohexane	7.32	84	1422561	10.81	ppbv	99
31) cis-1,2-Dichloroethene	5.71	61	1724901	11.47	ppbv	99
32) 1,1,1-Trichloroethane	6.70	97	2411883	10.31	ppbv	99
34) 2-Butanone	5.40	43	2656069	12.09	ppbv	99
35) Carbon Tetrachloride	7.22	117	2403862	10.91	ppbv	99
36) Benzene	7.09	78	3629041	11.51	ppbv	100
37) 1,2-Dichloroethane	6.49	62	2003800	10.76	ppbv	99
38) Trichloroethene	8.04	130	1159911	11.12	ppbv	97
39) 1,2-Dichloropropane	7.82	63	1432876	11.48	ppbv	97
40) 1,4-Dioxane	8.04	88	469350	12.73	ppbv #	23
41) Tetrahydrofuran	6.22	42	1650031	12.87	ppbv	98
42) Bromodichloromethane	8.00	83	2631862	11.23	ppbv	97
43) Methyl Methacrylate	8.22	69	1617386	12.52	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.07	57	6205737	11.30	ppbv	99
45) t-1,3-Dichloropropene	9.50	75	1939251	12.74	ppbv	98
46) cis-1,3-Dichloropropene	8.92	75	2657942	13.69	ppbv	100
47) 1,1,2-Trichloroethane	9.70	97	1315533	9.75	ppbv	97
48) Dibromochloromethane	10.54	129	2552463	12.98	ppbv	99
49) Bromoform	13.30	173	2074569	12.09	ppbv	99
50) 4-Methyl-2-Pentanone	8.95	43	4692025	12.98	ppbv	99
51) 2-Hexanone	10.36	43	3224507	11.70	ppbv #	99
52) Tetrachloroethene	11.46	164	1255935	11.67	ppbv	98
53) Toluene	10.03	91	4634381	12.13	ppbv	100
54) 1,2-Dibromoethane	10.85	107	2468739	12.41	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.37	131	1829805	10.04	ppbv	96
57) Chlorobenzene	12.39	112	3385912	10.08	ppbv	99
58) Ethyl Benzene	12.95	91	6267652	10.87	ppbv	99
59) m/p-Xylene	13.24	91	10210594m	20.75	ppbv	
60) o-Xylene	13.94	91	4892230	9.98	ppbv	99
61) Styrene	13.77	104	3942158	10.83	ppbv	99
62) Isopropylbenzene	14.92	105	6914539	9.84	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.93	83	3603401	8.62	ppbv	99
64) n-propylbenzene	15.81	120	1811412	10.04	ppbv	100
65) tert-Butylbenzene	17.00	119	5602173	9.36	ppbv	99
66) Benzyl Chloride	17.25	91	3783518	11.23	ppbv	100
67) sec-Butylbenzene	17.55	105	8451733	9.46	ppbv	99
69) p-Isopropyltoluene	17.91	119	6862715	9.95	ppbv	99
70) n-Butylbenzene	18.80	91	7634153	9.92	ppbv	100
71) 2-Chlorotoluene	15.71	91	5516442	9.80	ppbv	99
72) 4-Ethyltoluene	16.09	105	5776589	10.20	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	5475072	9.89	ppbv	97
74) 1,2,4-Trimethylbenzene	17.02	105	5386416	9.30	ppbv	97
75) 1,3-Dichlorobenzene	17.26	146	2991198	9.29	ppbv	99
76) 1,4-Dichlorobenzene	17.40	146	3051015	9.55	ppbv	100
77) 1,2-Dichlorobenzene	18.08	146	2995063	9.62	ppbv	99
78) Hexachloro-1,3-Butadiene	23.63	225	1796809	17.81	ppbv	99
79) Naphthalene	22.52	128	5229762	10.75	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	2487038	12.03	ppbv	99
81) 1,2,4-Trichlorobenzene	22.24	180	2461244	10.37	ppbv	100

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

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