

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112718\
 Data File : VL032808.D
 Acq On : 27 Nov 2018 14:14
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 4:21:23 PM

Quant Time: Nov 28 03:23:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 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	5.78	49	1412555	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3827229	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	3613531	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.60	95	2650387	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1976628	9.73	ppbv	99
3) Chlorodifluoromethane	3.02	51	1103146	9.85	ppbv	99
4) Chloromethane	3.18	50	617921	9.95	ppbv	98
5) Vinyl Chloride	3.30	62	638181	9.70	ppbv	96
6) Bromomethane	3.53	94	420418	10.44	ppbv	90
7) Chloroethane	3.61	64	237492	10.01	ppbv	94
8) Dichlorotetrafluoroethane	3.23	85	1552660	9.70	ppbv	97
9) Propene	3.05	41	471845	10.53	ppbv	100
10) Heptane	8.26	43	1809390	10.58	ppbv	98
11) Trichlorofluoromethane	4.01	101	1721266	9.00	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1688538	10.80	ppbv	96
13) Ethanol	3.66	45	103285m	7.04	ppbv	
14) Bromoethene	3.80	108	529773	10.22	ppbv	98
15) Acetone	3.91	43	1103090	8.55	ppbv	99
16) 1,3-Butadiene	3.37	39	504373	10.10	ppbv	90
17) tert-Butyl alcohol	4.37	59	472681	11.68	ppbv	99
18) 1,1-Dichloroethene	4.36	96	838432	10.91	ppbv	98
19) Isopropyl Alcohol	4.03	45	762787	8.88	ppbv	100
20) Methylene Chloride	4.42	84	733588	10.98	ppbv	95
21) Allyl Chloride	4.49	41	1290419	11.90	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	840099	11.19	ppbv	95
23) Vinyl Acetate	5.17	43	2713353	11.54	ppbv	98
24) 1,1-Dichloroethane	5.11	63	2026586	10.84	ppbv	100
25) Ethyl Acetate	5.78	43	3083248	10.26	ppbv	100
26) Hexane	5.79	57	1443067	10.78	ppbv	99
27) Carbon Disulfide	4.63	76	1935865	11.41	ppbv	98
28) Methyl tert-Butyl Ether	5.13	73	2435863	11.41	ppbv	100
29) Chloroform	5.87	83	2373042	9.95	ppbv	96
30) Cyclohexane	7.26	84	1338254	11.43	ppbv	98
31) cis-1,2-Dichloroethene	5.66	61	1509706	11.22	ppbv	99
32) 1,1,1-Trichloroethane	6.64	97	2502412	9.57	ppbv	99
34) 2-Butanone	5.34	43	2015200	10.15	ppbv	99
35) Carbon Tetrachloride	7.15	117	2786653	9.06	ppbv	98
36) Benzene	7.02	78	3141853	10.31	ppbv	99
37) 1,2-Dichloroethane	6.43	62	1936688	9.44	ppbv	99
38) Trichloroethene	7.98	130	1312254	10.64	ppbv	97
39) 1,2-Dichloropropane	7.75	63	1180123	10.16	ppbv	96
40) 1,4-Dioxane	7.97	88	390738	9.42	ppbv #	1
41) Tetrahydrofuran	6.17	42	1237432	10.87	ppbv	99
42) Bromodichloromethane	7.93	83	2735180	9.83	ppbv	99
43) Methyl Methacrylate	8.15	69	1203695	10.58	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	5248239	10.30	ppbv	99
45) t-1,3-Dichloropropene	9.44	75	1666786	10.92	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	2107852	11.43	ppbv	97
47) 1,1,2-Trichloroethane	9.63	97	1413585	10.30	ppbv	99
48) Dibromochloromethane	10.47	129	2313378	9.91	ppbv	100
49) Bromoform	13.22	173	2087607	10.83	ppbv	99
50) 4-Methyl-2-Pentanone	8.89	43	3218968	10.38	ppbv	99
51) 2-Hexanone	10.29	43	2225223	11.14	ppbv #	100
52) Tetrachloroethene	11.39	164	1157487	10.92	ppbv	97
53) Toluene	9.97	91	3703146	11.65	ppbv	99
54) 1,2-Dibromoethane	10.78	107	2082153	10.73	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.30	131	1700716	10.09	ppbv	99
57) Chlorobenzene	12.32	112	2822096	10.20	ppbv	99
58) Ethyl Benzene	12.88	91	4955966	11.40	ppbv	100
59) m/p-Xylene	13.17	91	8268704m	21.36	ppbv	
60) o-Xylene	13.87	91	3990497	10.25	ppbv	99
61) Styrene	13.70	104	3052368	12.05	ppbv	98
62) Isopropylbenzene	14.85	105	5757702	10.94	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.86	83	2776733	9.15	ppbv	100
64) n-propylbenzene	15.74	120	1484441	10.73	ppbv	95
65) tert-Butylbenzene	16.93	119	5088817	10.79	ppbv	98
66) Benzyl Chloride	17.17	91	2835009	10.87	ppbv	99
67) sec-Butylbenzene	17.48	105	7068268	10.40	ppbv	99
69) p-Isopropyltoluene	17.83	119	5739702	10.62	ppbv	99
70) n-Butylbenzene	18.73	91	5699992	10.39	ppbv	99
71) 2-Chlorotoluene	15.64	91	4271405	10.89	ppbv	98
72) 4-Ethyltoluene	16.02	105	4644107	10.88	ppbv	98
73) 1,3,5-Trimethylbenzene	16.18	105	4410778	10.57	ppbv	99
74) 1,2,4-Trimethylbenzene	16.95	105	4456638	9.98	ppbv	97
75) 1,3-Dichlorobenzene	17.18	146	2515674	9.82	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	2472894	10.34	ppbv	100
77) 1,2-Dichlorobenzene	18.01	146	2425131	10.24	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	1016833	7.95	ppbv	99
79) Naphthalene	22.44	128	3279215	11.18	ppbv	98
80) Naphthalene,2-methyl-	25.13	142	819198	11.15	ppbv	99
81) 1,2,4-Trichlorobenzene	22.16	180	1608697	10.92	ppbv	99

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

