

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
 Data File : VL032627.D
 Acq On : 17 Oct 2018 2:45
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 4:36:21 PM

Quant Time: Oct 17 06:51:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 2018
 QLast Update : Wed Oct 17 05:31:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1309739	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2973421	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	3128860m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.60	95	2329143	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	919846	5.56	ppbv	100
3) Chlorodifluoromethane	3.03	51	1010090	9.24	ppbv	100
4) Chloromethane	3.18	50	566009	9.40	ppbv	100
5) Vinyl Chloride	3.31	62	579872	9.63	ppbv	100
6) Bromomethane	3.53	94	356896	9.42	ppbv	100
7) Chloroethane	3.62	64	222871	9.42	ppbv	100
8) Dichlorotetrafluoroethane	3.23	85	1340519	9.07	ppbv	100
9) Propene	3.05	41	413986	10.14	ppbv	100
10) Heptane	8.27	43	1648719	11.10	ppbv	100
11) Trichlorofluoromethane	4.02	101	1456628	9.04	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1076831	8.98	ppbv	100
13) Ethanol	3.66	45	109921	9.63	ppbv	100
14) Bromoethene	3.80	108	432959	9.66	ppbv	100
15) Acetone	3.92	43	1026683	8.93	ppbv	100
16) 1,3-Butadiene	3.38	39	410342	8.94	ppbv	100
17) tert-Butyl alcohol	4.37	59	101185m	10.77	ppbv	100
18) 1,1-Dichloroethene	4.37	96	504770	9.44	ppbv	100
19) Isopropyl Alcohol	4.04	45	749326	10.05	ppbv	100
20) Methylene Chloride	4.43	84	446236	8.47	ppbv	100
21) Allyl Chloride	4.49	41	856524	9.79	ppbv	100
22) trans-1,2-Dichloroethene	4.98	96	595574	9.58	ppbv	100
23) Vinyl Acetate	5.17	43	1995549	11.02	ppbv	100
24) 1,1-Dichloroethane	5.11	63	1626378	10.16	ppbv	100
25) Ethyl Acetate	5.79	43	2683514	10.05	ppbv	100
26) Hexane	5.80	57	1254760	10.29	ppbv	100
27) Carbon Disulfide	4.63	76	1390464	9.53	ppbv	100
28) Methyl tert-Butyl Ether	5.13	73	1653635	11.47	ppbv	100
29) Chloroform	5.87	83	2042836	9.79	ppbv	100
30) Cyclohexane	7.26	84	1055475	11.01	ppbv	100
31) cis-1,2-Dichloroethene	5.66	61	1282923	11.08	ppbv	100
32) 1,1,1-Trichloroethane	6.64	97	1977298	9.81	ppbv	100
34) 2-Butanone	5.35	43	1775651	11.58	ppbv	100
35) Carbon Tetrachloride	7.15	117	2089619	9.78	ppbv	100
36) Benzene	7.03	78	2567667	10.91	ppbv	100
37) 1,2-Dichloroethane	6.43	62	1607473	10.26	ppbv	100
38) Trichloroethene	7.98	130	949938	10.97	ppbv	100
39) 1,2-Dichloropropane	7.76	63	994801	10.34	ppbv	100
40) 1,4-Dioxane	7.97	88	377296m	11.90	ppbv	100
41) Tetrahydrofuran	6.17	42	1007544	11.78	ppbv	100
42) Bromodichloromethane	7.94	83	2220145	10.12	ppbv	100
43) Methyl Methacrylate	8.16	69	1063905	11.64	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	4491276	10.72	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1488697	12.93	ppbv	100
46) cis-1,3-Dichloropropene	8.86	75	1661988	12.68	ppbv	100
47) 1,1,2-Trichloroethane	9.64	97	1154074	10.11	ppbv	100
48) Dibromochloromethane	10.47	129	2021874	10.65	ppbv	100
49) Bromoform	13.23	173	1526047	10.53	ppbv	100
50) 4-Methyl-2-Pentanone	8.89	43	2663849	11.31	ppbv	100
51) 2-Hexanone	10.29	43	2290157	12.43	ppbv	100
52) Tetrachloroethene	11.40	164	825318	10.90	ppbv	100
53) Toluene	9.97	91	3195824	11.91	ppbv	100
54) 1,2-Dibromoethane	10.78	107	1766898	11.04	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.30	131	1318927	9.32	ppbv	100
57) Chlorobenzene	12.33	112	2240809	9.45	ppbv	100
58) Ethyl Benzene	12.89	91	4023228	11.69	ppbv	100
59) m/p-Xylene	13.17	91	6656319m	21.31	ppbv	
60) o-Xylene	13.88	91	3268522	10.61	ppbv	100
61) Styrene	13.71	104	2352419	12.44	ppbv	100
62) Isopropylbenzene	14.85	105	4626099	10.54	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.86	83	2459288	9.17	ppbv	100
64) n-propylbenzene	15.75	120	1183088	10.69	ppbv	100
65) tert-Butylbenzene	16.93	119	3926584	10.56	ppbv	100
66) Benzyl Chloride	17.18	91	2341841	11.42	ppbv	100
67) sec-Butylbenzene	17.48	105	5782567	10.42	ppbv	100
69) p-Isopropyltoluene	17.84	119	4606799	10.83	ppbv	100
70) n-Butylbenzene	18.74	91	4965711	10.71	ppbv	100
71) 2-Chlorotoluene	15.64	91	3600051	11.15	ppbv	100
72) 4-Ethyltoluene	16.02	105	3786292	11.38	ppbv	99
73) 1,3,5-Trimethylbenzene	16.18	105	3611348	10.91	ppbv	100
74) 1,2,4-Trimethylbenzene	16.95	105	3678055	10.07	ppbv	100
75) 1,3-Dichlorobenzene	17.19	146	2005014	9.45	ppbv	100
76) 1,4-Dichlorobenzene	17.33	146	1978337	10.34	ppbv	99
77) 1,2-Dichlorobenzene	18.01	146	1979267	9.93	ppbv	100
78) Hexachloro-1,3-Butadiene	23.56	225	1079218	11.17	ppbv	100
79) Naphthalene	22.44	128	3027940	12.31	ppbv	100
80) Naphthalene,2-methyl-	25.13	142	829059	17.31	ppbv	100
81) 1,2,4-Trichlorobenzene	22.16	180	1410302	11.58	ppbv	100

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

