

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112718\
 Data File : VL032828.D
 Acq On : 28 Nov 2018 12:49
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 4:21:43 PM

Quant Time: Nov 28 15:19:38 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	1241410	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3278048	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	3231747	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2325161	9.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1269633	7.11	ppbv	98
3) Chlorodifluoromethane	3.02	51	1059316	10.76	ppbv	100
4) Chloromethane	3.18	50	583461	10.69	ppbv	99
5) Vinyl Chloride	3.30	62	602563	10.42	ppbv	99
6) Bromomethane	3.53	94	549196	15.52	ppbv	96
7) Chloroethane	3.61	64	315976	15.16	ppbv	94
8) Dichlorotetrafluoroethane	3.23	85	1507058	10.72	ppbv	97
9) Propene	3.04	41	429170	10.90	ppbv	98
10) Heptane	8.26	43	1791112	11.91	ppbv	99
11) Trichlorofluoromethane	4.01	101	2306205	13.71	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1543466	11.24	ppbv	97
13) Ethanol	3.66	45	154251	11.96	ppbv	99
14) Bromoethene	3.80	108	697428	15.30	ppbv	98
15) Acetone	3.91	43	1483918	13.09	ppbv	100
16) 1,3-Butadiene	3.37	39	525190	11.96	ppbv	98
17) tert-Butyl alcohol	4.37	59	426001	11.98	ppbv	100
18) 1,1-Dichloroethene	4.36	96	779482	11.54	ppbv	100
19) Isopropyl Alcohol	4.03	45	1036770	13.73	ppbv	100
20) Methylene Chloride	4.42	84	668665	11.39	ppbv	98
21) Allyl Chloride	4.49	41	1204480	12.64	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	826836	12.54	ppbv	98
23) Vinyl Acetate	5.17	43	2390422	11.57	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1872665	11.40	ppbv	99
25) Ethyl Acetate	5.78	43	2948133	11.16	ppbv	99
26) Hexane	5.80	57	1362950	11.59	ppbv	100
27) Carbon Disulfide	4.63	76	1901325	12.75	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2276422	12.14	ppbv	100
29) Chloroform	5.87	83	2391440	11.41	ppbv	100
30) Cyclohexane	7.26	84	1235769	12.01	ppbv	97
31) cis-1,2-Dichloroethene	5.66	61	1421295	12.02	ppbv	100
32) 1,1,1-Trichloroethane	6.64	97	2506763	10.91	ppbv	99
34) 2-Butanone	5.34	43	1896791	11.16	ppbv	100
35) Carbon Tetrachloride	7.15	117	2753435	10.45	ppbv	99
36) Benzene	7.02	78	2955965	11.32	ppbv	98
37) 1,2-Dichloroethane	6.43	62	1914678	10.90	ppbv	100
38) Trichloroethene	7.98	130	1233281	11.67	ppbv	99
39) 1,2-Dichloropropane	7.75	63	1094713	11.01	ppbv	97
40) 1,4-Dioxane	7.97	88	419510	11.81	ppbv	86
41) Tetrahydrofuran	6.16	42	1138656	11.68	ppbv	99
42) Bromodichloromethane	7.93	83	2641539	11.09	ppbv	99
43) Methyl Methacrylate	8.15	69	1177250	12.08	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	4973146	11.40	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1720768	13.16	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	1967627	12.45	ppbv	98
47) 1,1,2-Trichloroethane	9.63	97	1320679	11.23	ppbv	97
48) Dibromochloromethane	10.47	129	2233743	11.18	ppbv	100
49) Bromoform	13.22	173	1830286	11.09	ppbv	99
50) 4-Methyl-2-Pentanone	8.89	43	3006967	11.32	ppbv	100
51) 2-Hexanone	10.29	43	2067341	12.08	ppbv #	99
52) Tetrachloroethene	11.39	164	1076242	11.85	ppbv	98
53) Toluene	9.97	91	3445471	12.65	ppbv	100
54) 1,2-Dibromoethane	10.78	107	1912066	11.50	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.30	131	1589245	10.54	ppbv	99
57) Chlorobenzene	12.32	112	2616699	10.58	ppbv	99
58) Ethyl Benzene	12.88	91	4594543	11.81	ppbv	98
59) m/p-Xylene	13.16	91	7639444m	22.06	ppbv	
60) o-Xylene	13.87	91	3703279	10.64	ppbv	100
61) Styrene	13.70	104	2746192	12.12	ppbv	99
62) Isopropylbenzene	14.84	105	5191247	11.03	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.86	83	2424391	8.93	ppbv	99
64) n-propylbenzene	15.74	120	1329076	10.74	ppbv	97
65) tert-Butylbenzene	16.93	119	4598323	10.90	ppbv	98
66) Benzyl Chloride	17.18	91	2556612	10.96	ppbv	100
67) sec-Butylbenzene	17.48	105	6399578	10.53	ppbv	99
69) p-Isopropyltoluene	17.84	119	5332275	11.03	ppbv	99
70) n-Butylbenzene	18.73	91	5509672	11.23	ppbv	100
71) 2-Chlorotoluene	15.63	91	3855568	10.99	ppbv	100
72) 4-Ethyltoluene	16.02	105	4217127	11.05	ppbv	99
73) 1,3,5-Trimethylbenzene	16.18	105	3999257	10.72	ppbv	97
74) 1,2,4-Trimethylbenzene	16.95	105	4153182	10.40	ppbv	94
75) 1,3-Dichlorobenzene	17.18	146	2399111	10.48	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	2361923	11.04	ppbv	99
77) 1,2-Dichlorobenzene	18.01	146	2316714	10.93	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	1857828	16.25	ppbv	99
79) Naphthalene	22.43	128	4287725	16.35	ppbv	99
80) Naphthalene,2-methyl-	25.13	142	1137526	17.32	ppbv	99
81) 1,2,4-Trichlorobenzene	22.16	180	2057598	15.62	ppbv	99

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

