

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032326.D
 Acq On : 27 Jul 2018 19:53
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 11:43:21 AM

Quant Time: Jul 28 00:57:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1638759	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3741646	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4453355m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.66	95	3335356	9.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	1260662	6.38	ppbv	100
3) Chlorodifluoromethane	3.06	51	1605440	9.80	ppbv	98
4) Chloromethane	3.22	50	965811	9.74	ppbv	98
5) Vinyl Chloride	3.34	62	898188	9.96	ppbv	96
6) Bromomethane	3.57	94	500870	10.11	ppbv	98
7) Chloroethane	3.65	64	316155	9.86	ppbv	96
8) Dichlorotetrafluoroethane	3.27	85	1841280	9.22	ppbv	100
9) Propene	3.08	41	823456	11.18	ppbv	98
10) Heptane	8.33	43	2724347	10.53	ppbv	99
11) Trichlorofluoromethane	4.06	101	1795665	9.51	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.61	101	1260890	9.78	ppbv	98
13) Ethanol	3.70	45	189025	8.93	ppbv	99
14) Bromoethene	3.84	108	577949	10.21	ppbv	99
15) Acetone	3.96	43	1442727	9.34	ppbv	98
16) 1,3-Butadiene	3.41	39	852508	10.65	ppbv	89
17) tert-Butyl alcohol	4.42	59	561760	11.44	ppbv	100
18) 1,1-Dichloroethene	4.41	96	616714	10.31	ppbv	98
19) Isopropyl Alcohol	4.08	45	1122674	10.89	ppbv #	98
20) Methylene Chloride	4.47	84	528543	8.51	ppbv	95
21) Allyl Chloride	4.54	41	1123757	10.67	ppbv	98
22) trans-1,2-Dichloroethene	5.03	96	626159	10.86	ppbv	99
23) Vinyl Acetate	5.22	43	3014818	10.88	ppbv	98
24) 1,1-Dichloroethane	5.16	63	1921871	9.67	ppbv	99
25) Ethyl Acetate	5.84	43	3413836	9.85	ppbv	100
26) Hexane	5.85	57	1527273	9.74	ppbv	99
27) Carbon Disulfide	4.68	76	1568640	11.00	ppbv	99
28) Methyl tert-Butyl Ether	5.18	73	2398043	11.30	ppbv	100
29) Chloroform	5.92	83	2204766	9.66	ppbv	98
30) Cyclohexane	7.33	84	1373334	11.22	ppbv	98
31) cis-1,2-Dichloroethene	5.71	61	1576968	10.85	ppbv	99
32) 1,1,1-Trichloroethane	6.70	97	2186015	10.83	ppbv	99
34) 2-Butanone	5.40	43	2393897	9.88	ppbv	99
35) Carbon Tetrachloride	7.21	117	2123195	9.99	ppbv	99
36) Benzene	7.09	78	3295093	9.99	ppbv	98
37) 1,2-Dichloroethane	6.49	62	1732852	9.09	ppbv	99
38) Trichloroethene	8.04	130	1276902	10.02	ppbv	98
39) 1,2-Dichloropropane	7.82	63	1494442	9.01	ppbv	98
40) 1,4-Dioxane	8.03	88	467227	9.59	ppbv	91
41) Tetrahydrofuran	6.22	42	1419202	10.36	ppbv	100
42) Bromodichloromethane	8.00	83	2907835	9.42	ppbv	99
43) Methyl Methacrylate	8.22	69	1652409	10.44	ppbv	98

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44) 2,2,4-Trimethylpentane	8.07	57	6686108	9.35	ppbv	99
45) t-1,3-Dichloropropene	9.50	75	2038722	11.11	ppbv	96
46) cis-1,3-Dichloropropene	8.92	75	2414116	10.74	ppbv	98
47) 1,1,2-Trichloroethane	9.70	97	1458663	9.04	ppbv	99
48) Dibromochloromethane	10.54	129	2292963	9.64	ppbv	100
49) Bromoform	13.30	173	1831676	9.36	ppbv	100
50) 4-Methyl-2-Pentanone	8.95	43	4214188	9.86	ppbv	99
51) 2-Hexanone	10.36	43	3439803	10.56	ppbv #	100
52) Tetrachloroethene	11.46	164	1142327	10.28	ppbv	98
53) Toluene	10.03	91	4305821	10.92	ppbv	100
54) 1,2-Dibromoethane	10.85	107	2224946	9.71	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.37	131	1624114	8.84	ppbv #	54
57) Chlorobenzene	12.39	112	3025229	8.74	ppbv	99
58) Ethyl Benzene	12.95	91	5690670	10.19	ppbv	98
59) m/p-Xylene	13.24	91	9116514m	19.18	ppbv	
60) o-Xylene	13.94	91	4387312	9.41	ppbv	99
61) Styrene	13.77	104	3607420	10.52	ppbv	99
62) Isopropylbenzene	14.92	105	6280077	9.48	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.92	83	3146496	8.30	ppbv	100
64) n-propylbenzene	15.81	120	1621938	9.41	ppbv	95
65) tert-Butylbenzene	17.00	119	5105172	9.13	ppbv	100
66) Benzyl Chloride	17.25	91	3414206	10.24	ppbv	100
67) sec-Butylbenzene	17.55	105	7674294	9.16	ppbv	99
69) p-Isopropyltoluene	17.90	119	6098508	9.40	ppbv	100
70) n-Butylbenzene	18.80	91	6774377	9.04	ppbv	99
71) 2-Chlorotoluene	15.71	91	4980584	9.59	ppbv	99
72) 4-Ethyltoluene	16.09	105	5223730	10.00	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	4920449	9.57	ppbv	99
74) 1,2,4-Trimethylbenzene	17.02	105	4843134	8.94	ppbv	98
75) 1,3-Dichlorobenzene	17.26	146	2630099	8.38	ppbv	99
76) 1,4-Dichlorobenzene	17.39	146	2705378	8.98	ppbv	99
77) 1,2-Dichlorobenzene	18.08	146	2604626	8.45	ppbv	99
78) Hexachloro-1,3-Butadiene	23.63	225	1652474	15.24	ppbv	100
79) Naphthalene	22.51	128	4775422	10.15	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	2286134	12.28	ppbv	99
81) 1,2,4-Trichlorobenzene	22.24	180	2276882	9.69	ppbv	100

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

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