

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032259.D
 Acq On : 18 Jul 2018 9:18
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 2:53:02 PM

Quant Time: Jul 18 09:57:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 18 2018
 QLast Update : Fri Jul 13 04:25:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1759418	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3988789	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4462243m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3663052	10.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	2783254	10.99	ppbv	99
3) Chlorodifluoromethane	3.06	51	1802500	8.34	ppbv	99
4) Chloromethane	3.22	50	1090128	8.86	ppbv	99
5) Vinyl Chloride	3.34	62	1031646	8.51	ppbv	99
6) Bromomethane	3.57	94	562961	8.35	ppbv	97
7) Chloroethane	3.66	64	363690	8.72	ppbv	99
8) Dichlorotetrafluoroethane	3.27	85	2192131	7.88	ppbv	99
9) Propene	3.09	41	859700	9.33	ppbv	100
10) Heptane	8.33	43	2960906	11.31	ppbv	99
11) Trichlorofluoromethane	4.07	101	2168217	8.95	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1343168	8.68	ppbv	99
13) Ethanol	3.71	45	207855	7.81	ppbv	99
14) Bromoethene	3.85	108	640069	8.77	ppbv	99
15) Acetone	3.96	43	1683733	8.25	ppbv	99
16) 1,3-Butadiene	3.42	39	911963	8.84	ppbv	99
17) tert-Butyl alcohol	4.42	59	550631	5.78	ppbv	99
18) 1,1-Dichloroethene	4.42	96	645520	8.96	ppbv	96
19) Isopropyl Alcohol	4.09	45	1232582	9.19	ppbv	99
20) Methylene Chloride	4.47	84	596271	8.62	ppbv	99
21) Allyl Chloride	4.55	41	1176007	9.84	ppbv	98
22) trans-1,2-Dichloroethene	5.04	96	692427	10.10	ppbv	98
23) Vinyl Acetate	5.22	43	3296781	9.71	ppbv	99
24) 1,1-Dichloroethane	5.16	63	2233408	9.37	ppbv	99
25) Ethyl Acetate	5.85	43	3771447	9.33	ppbv	100
26) Hexane	5.86	57	1717593	9.32	ppbv	99
27) Carbon Disulfide	4.69	76	1712126	10.38	ppbv	98
28) Methyl tert-Butyl Ether	5.18	73	2730950	9.41	ppbv	98
29) Chloroform	5.93	83	2595098	9.12	ppbv	97
30) Cyclohexane	7.33	84	1522038	9.36	ppbv	97
31) cis-1,2-Dichloroethene	5.72	61	1730850	9.41	ppbv	97
32) 1,1,1-Trichloroethane	6.70	97	2589157	9.38	ppbv	100
34) 2-Butanone	5.40	43	2600940	9.57	ppbv	99
35) Carbon Tetrachloride	7.22	117	2572586	9.53	ppbv	98
36) Benzene	7.09	78	3693090	9.32	ppbv	98
37) 1,2-Dichloroethane	6.49	62	2144911	9.88	ppbv	99
38) Trichloroethene	8.05	130	1240117	9.12	ppbv	98
39) 1,2-Dichloropropane	7.82	63	1467211	9.31	ppbv	98
40) 1,4-Dioxane	8.04	88	476835	8.83	ppbv #	44
41) Tetrahydrofuran	6.23	42	1656297	10.89	ppbv	97
42) Bromodichloromethane	8.00	83	2807189	9.08	ppbv	97
43) Methyl Methacrylate	8.22	69	1861188	12.15	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	7127183	10.45	ppbv	99
45) t-1,3-Dichloropropene	9.50	75	2040116	11.18	ppbv	98
46) cis-1,3-Dichloropropene	8.93	75	2724718	10.95	ppbv	99
47) 1,1,2-Trichloroethane	9.71	97	1669541	9.49	ppbv	98
48) Dibromochloromethane	10.55	129	2486817	9.50	ppbv	100
49) Bromoform	13.30	173	2080241	9.91	ppbv	99
50) 4-Methyl-2-Pentanone	8.96	43	4623638	9.83	ppbv	99
51) 2-Hexanone	10.36	43	3179539	8.10	ppbv #	99
52) Tetrachloroethene	11.47	164	1187001	8.10	ppbv	98
53) Toluene	10.04	91	4742004	10.12	ppbv	99
54) 1,2-Dibromoethane	10.85	107	2411502	9.28	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.38	131	1802476	9.30	ppbv #	60
57) Chlorobenzene	12.40	112	3252662	8.62	ppbv	98
58) Ethyl Benzene	12.96	91	6451927	9.93	ppbv	100
59) m/p-Xylene	13.24	91	9837937m	18.40	ppbv	
60) o-Xylene	13.95	91	4737771	8.98	ppbv	100
61) Styrene	13.78	104	4085255	10.33	ppbv	100
62) Isopropylbenzene	14.92	105	7233245	9.78	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.93	83	3548697	8.27	ppbv	99
64) n-propylbenzene	15.82	120	1903344	10.16	ppbv	100
65) tert-Butylbenzene	17.00	119	5892591	9.51	ppbv	100
66) Benzyl Chloride	17.25	91	4215003	13.44	ppbv	100
67) sec-Butylbenzene	17.55	105	8751563	9.67	ppbv	100
69) p-Isopropyltoluene	17.91	119	6877974	9.76	ppbv	100
70) n-Butylbenzene	18.81	91	7729084	9.93	ppbv	100
71) 2-Chlorotoluene	15.71	91	5875184	10.09	ppbv	99
72) 4-Ethyltoluene	16.10	105	6096463	10.30	ppbv	99
73) 1,3,5-Trimethylbenzene	16.25	105	5754274	10.45	ppbv	98
74) 1,2,4-Trimethylbenzene	17.02	105	5568634	9.89	ppbv	99
75) 1,3-Dichlorobenzene	17.26	146	3057649	9.11	ppbv	100
76) 1,4-Dichlorobenzene	17.40	146	3135807	9.54	ppbv	99
77) 1,2-Dichlorobenzene	18.08	146	3020095	9.05	ppbv	99
78) Hexachloro-1,3-Butadiene	23.63	225	895573	8.61	ppbv	99
79) Naphthalene	22.52	128	5089402	13.47	ppbv	99
80) Naphthalene, 2-methyl-	25.19	142	2500339	20.71	ppbv	100
81) 1,2,4-Trichlorobenzene	22.25	180	2393920	12.66	ppbv	99

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

