

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082018\
 Data File : VL032406.D
 Acq On : 20 Aug 2018 14:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 8/28/2018 2:53:50 PM

Quant Time: Aug 28 13:56:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 28 2018
 QLast Update : Tue Aug 28 13:07:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1868128	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3638959	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3712778m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	2854018	10.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.11	85	1541303	8.09	ppbv	97
3) Chlorodifluoromethane	3.04	51	1650408	9.54	ppbv	100
4) Chloromethane	3.20	50	1004044	9.75	ppbv	99
5) Vinyl Chloride	3.32	62	961903	9.80	ppbv	95
6) Bromomethane	3.55	94	541922	10.30	ppbv	97
7) Chloroethane	3.64	64	350738	10.19	ppbv	99
8) Dichlorotetrafluoroethane	3.25	85	2007917	9.51	ppbv	98
9) Propene	3.07	41	772729	10.43	ppbv	100
10) Heptane	8.30	43	2440537	10.94	ppbv	100
11) Trichlorofluoromethane	4.04	101	1991648	9.53	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1349863	9.59	ppbv	98
13) Ethanol	3.68	45	209700	11.02	ppbv	97
14) Bromoethene	3.83	108	623821	10.25	ppbv	99
15) Acetone	3.94	43	1563871	8.81	ppbv	100
16) 1,3-Butadiene	3.40	39	784128	10.70	ppbv	90
17) tert-Butyl alcohol	4.40	59	302618	10.16	ppbv	99
18) 1,1-Dichloroethene	4.39	96	654683	9.99	ppbv	96
19) Isopropyl Alcohol	4.06	45	1234513	10.33	ppbv	100
20) Methylene Chloride	4.45	84	572903	8.55	ppbv	92
21) Allyl Chloride	4.52	41	1175722	10.50	ppbv	100
22) trans-1,2-Dichloroethene	5.01	96	631648	9.55	ppbv	99
23) Vinyl Acetate	5.20	43	2907176	9.49	ppbv	99
24) 1,1-Dichloroethane	5.13	63	2023698	9.14	ppbv	99
25) Ethyl Acetate	5.82	43	3939986	10.36	ppbv	99
26) Hexane	5.83	57	1822405	10.75	ppbv	99
27) Carbon Disulfide	4.66	76	1703337	10.76	ppbv	99
28) Methyl tert-Butyl Ether	5.16	73	2221261	9.87	ppbv	99
29) Chloroform	5.90	83	2641078	10.63	ppbv	98
30) Cyclohexane	7.30	84	1369688	10.60	ppbv	99
31) cis-1,2-Dichloroethene	5.69	61	1670416	10.07	ppbv	100
32) 1,1,1-Trichloroethane	6.67	97	2471513	10.22	ppbv	99
34) 2-Butanone	5.38	43	2552720	10.31	ppbv	99
35) Carbon Tetrachloride	7.19	117	2332130	10.87	ppbv	96
36) Benzene	7.06	78	3551679	11.51	ppbv	100
37) 1,2-Dichloroethane	6.47	62	1971177	10.53	ppbv	99
38) Trichloroethene	8.02	130	1211696	11.20	ppbv	97
39) 1,2-Dichloropropane	7.79	63	1420087	11.02	ppbv	97
40) 1,4-Dioxane	8.01	88	437966	11.19	ppbv #	1
41) Tetrahydrofuran	6.20	42	1527692	11.49	ppbv	100
42) Bromodichloromethane	7.97	83	2708188	11.05	ppbv	98
43) Methyl Methacrylate	8.19	69	1457772	11.86	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.05	57	6181511	11.11	ppbv	100
45) t-1,3-Dichloropropene	9.48	75	2001997	12.88	ppbv	100
46) cis-1,3-Dichloropropene	8.89	75	2374493	12.73	ppbv	99
47) 1,1,2-Trichloroethane	9.67	97	1488501	10.49	ppbv	98
48) Dibromochloromethane	10.51	129	2129430	11.23	ppbv	99
49) Bromoform	13.27	173	1837500	11.67	ppbv	99
50) 4-Methyl-2-Pentanone	8.93	43	4082867	11.41	ppbv	100
51) 2-Hexanone	10.33	43	2960672	11.79	ppbv #	99
52) Tetrachloroethene	11.44	164	1047325	11.51	ppbv	95
53) Toluene	10.01	91	4104856	12.14	ppbv	99
54) 1,2-Dibromoethane	10.82	107	1963610	10.78	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.34	131	1567435	10.21	ppbv #	57
57) Chlorobenzene	12.36	112	2812025	10.06	ppbv	98
58) Ethyl Benzene	12.93	91	5151038	11.53	ppbv	99
59) m/p-Xylene	13.21	91	8383404m	22.09	ppbv	
60) o-Xylene	13.91	91	4039294	10.83	ppbv	100
61) Styrene	13.75	104	3138658	12.04	ppbv	100
62) Isopropylbenzene	14.89	105	5738175	10.81	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.90	83	3063219	9.77	ppbv	100
64) n-propylbenzene	15.78	120	1520901	11.07	ppbv	98
65) tert-Butylbenzene	16.97	119	4781469	10.54	ppbv	100
66) Benzyl Chloride	17.22	91	3245999	12.09	ppbv	99
67) sec-Butylbenzene	17.52	105	7364983	10.92	ppbv	100
69) p-Isopropyltoluene	17.88	119	5897929	11.43	ppbv	100
70) n-Butylbenzene	18.78	91	6419008	11.34	ppbv	99
71) 2-Chlorotoluene	15.68	91	4605905	11.21	ppbv	100
72) 4-Ethyltoluene	16.06	105	4802544	11.54	ppbv	99
73) 1,3,5-Trimethylbenzene	16.22	105	4579007	11.44	ppbv	100
74) 1,2,4-Trimethylbenzene	16.99	105	4509088	10.59	ppbv	99
75) 1,3-Dichlorobenzene	17.23	146	2589022	10.12	ppbv	100
76) 1,4-Dichlorobenzene	17.37	146	2623228	10.82	ppbv	100
77) 1,2-Dichlorobenzene	18.05	146	2607072	10.66	ppbv	99
78) Hexachloro-1,3-Butadiene	23.60	225	784132	9.56	ppbv	99
79) Naphthalene	22.49	128	4270226	13.75	ppbv	99
80) Naphthalene, 2-methyl-	25.16	142	1700044	20.01	ppbv	99
81) 1,2,4-Trichlorobenzene	22.21	180	2051008	12.46	ppbv	100

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

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