

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
 Data File : VL032951.D
 Acq On : 8 Dec 2018 2:24
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:09:51 AM

Quant Time: Dec 08 04:49:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1478664	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3612441	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3518639m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2589078	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1887669	9.563	ppbv	99
3) Chlorodifluoromethane	3.01	51	1086809	9.705	ppbv	96
4) Chloromethane	3.17	50	611775	9.384	ppbv	97
5) Vinyl Chloride	3.29	62	615129	9.273	ppbv	97
6) Bromomethane	3.51	94	398157	9.596	ppbv	98
7) Chloroethane	3.60	64	228853	9.626	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1504275	9.170	ppbv	98
9) Propene	3.04	41	478774	10.812	ppbv	98
10) Heptane	8.25	43	1854770	11.151	ppbv	99
11) Trichlorofluoromethane	4.00	101	1600583	8.606	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1384607	8.726	ppbv	99
13) Ethanol	3.65	45	112810	7.399	ppbv	97
14) Bromoethene	3.79	108	497531	9.444	ppbv	99
15) Acetone	3.90	43	1028225	8.101	ppbv	98
16) 1,3-Butadiene	3.36	39	501508	9.960	ppbv	96
17) tert-Butyl alcohol	4.36	59	351968	10.892	ppbv #	83
18) 1,1-Dichloroethene	4.35	96	643490	10.355	ppbv	99
19) Isopropyl Alcohol	4.02	45	754080	9.461	ppbv	100
20) Methylene Chloride	4.41	84	551314	8.888	ppbv	95
21) Allyl Chloride	4.48	41	1025331	9.913	ppbv	97
22) trans-1,2-Dichloroethene	4.97	96	627753	8.140	ppbv	99
23) Vinyl Acetate	5.16	43	2210892	10.289	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1634251	8.746	ppbv	99
25) Ethyl Acetate	5.77	43	3035681	10.125	ppbv	99
26) Hexane	5.78	57	1373924	9.926	ppbv	96
27) Carbon Disulfide	4.62	76	1746010	10.088	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	2069251	9.954	ppbv	99
29) Chloroform	5.85	83	2291640	9.279	ppbv	98
30) Cyclohexane	7.25	84	1204405	10.498	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1454237	11.449	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	2058986	7.879	ppbv	99
34) 2-Butanone	5.33	43	1959167	12.451	ppbv	100
35) Carbon Tetrachloride	7.14	117	2485736	8.754	ppbv	98
36) Benzene	7.01	78	2862539	10.774	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1607945	8.889	ppbv	98
38) Trichloroethene	7.97	130	1190895	10.770	ppbv	99
39) 1,2-Dichloropropane	7.74	63	1096187	10.878	ppbv	95
40) 1,4-Dioxane	7.95	88	394197	10.620	ppbv #	95
41) Tetrahydrofuran	6.15	42	1058366	10.815	ppbv	98
42) Bromodichloromethane	7.92	83	2485061	9.915	ppbv	98
43) Methyl Methacrylate	8.14	69	1153064	11.712	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	4872598	10.804	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1544538	12.795	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1793867	12.141	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	1195334	10.777	ppbv	99
48) Dibromochloromethane	10.45	129	2185447	10.503	ppbv	100
49) Bromoform	13.21	173	1814978	10.606	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2774105	11.025	ppbv	100
51) 2-Hexanone	10.27	43	2082892	12.206	ppbv #	98
52) Tetrachloroethene	11.38	164	1085582	11.232	ppbv	97
53) Toluene	9.95	91	3369856	11.958	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1861833	10.745	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.28	131	1519021	9.683	ppbv	99
57) Chlorobenzene	12.31	112	2500126	9.838	ppbv	99
58) Ethyl Benzene	12.87	91	4504854	12.001	ppbv	98
59) m/p-Xylene	13.16	91	7453807m	21.903	ppbv	
60) o-Xylene	13.85	91	3854463	11.216	ppbv	99
61) Styrene	13.69	104	2804894	12.269	ppbv	98
62) Isopropylbenzene	14.83	105	5631040	11.744	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2643002	9.904	ppbv	99
64) n-propylbenzene	15.73	120	1333689	10.709	ppbv	97
65) tert-Butylbenzene	16.91	119	4858212	10.929	ppbv	99
66) Benzyl Chloride	17.16	91	2806149	11.390	ppbv	99
67) sec-Butylbenzene	17.46	105	6271349	9.569	ppbv	99
69) p-Isopropyltoluene	17.82	119	5241147	9.868	ppbv	99
70) n-Butylbenzene	18.72	91	5388213	11.027	ppbv	100
71) 2-Chlorotoluene	15.62	91	3871586	10.858	ppbv	100
72) 4-Ethyltoluene	16.01	105	4296371	11.198	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	4052852	10.820	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	4354388	10.296	ppbv	93
75) 1,3-Dichlorobenzene	17.17	146	2474997	9.937	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2258251	9.717	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	2229567	9.586	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1457644	11.396	ppbv	99
79) Naphthalene	22.42	128	3219979	11.791	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	928649	15.916	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1586555	10.955	ppbv	99

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

