

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021319\
 Data File : VL033185.D
 Acq On : 13 Feb 2019 12:14
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 12:23:21 PM

Quant Time: Feb 20 07:11:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 20 07:11:22 2019
 QLast Update : Wed Feb 20 06:00:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1104031	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2765384	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2740144m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2169881	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	2005769	9.503	ppbv	95
3) Chlorodifluoromethane	3.02	51	1225143	9.216	ppbv	98
4) Chloromethane	3.17	50	667380	9.508	ppbv	94
5) Vinyl Chloride	3.29	62	648185	8.844	ppbv	99
6) Bromomethane	3.52	94	392814	9.751	ppbv	96
7) Chloroethane	3.60	64	239733	10.005	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1514436	9.174	ppbv	99
9) Propene	3.04	41	578054	9.002	ppbv	99
10) Heptane	8.25	43	1532434	7.888	ppbv	99
11) Trichlorofluoromethane	4.00	101	1619037	9.475	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1073955	9.068	ppbv	100
13) Ethanol	3.65	45	125038m	5.729	ppbv	
14) Bromoethene	3.79	108	506237	9.913	ppbv	97
15) Acetone	3.90	43	1099722	8.841	ppbv	100
16) 1,3-Butadiene	3.36	39	530897	8.992	ppbv	96
17) tert-Butyl alcohol	4.35	59	265134	11.097	ppbv	100
18) 1,1-Dichloroethene	4.35	96	498329	9.400	ppbv	98
19) Isopropyl Alcohol	4.02	45	809548	9.596	ppbv #	98
20) Methylene Chloride	4.41	84	431125	8.714	ppbv	97
21) Allyl Chloride	4.48	41	801137	9.755	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	495960	9.633	ppbv	97
23) Vinyl Acetate	5.16	43	2055929	9.537	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1393202	9.137	ppbv	100
25) Ethyl Acetate	5.77	43	2411589	8.623	ppbv	100
26) Hexane	5.78	57	1104378	8.412	ppbv	100
27) Carbon Disulfide	4.62	76	1236335	10.279	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1715456	9.562	ppbv	100
29) Chloroform	5.85	83	1781423	8.854	ppbv	94
30) Cyclohexane	7.25	84	978564	8.033	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1164712	8.863	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1808649	8.164	ppbv	100
34) 2-Butanone	5.33	43	1642738	9.365	ppbv	99
35) Carbon Tetrachloride	7.14	117	1852159	8.770	ppbv	98
36) Benzene	7.01	78	2433171	8.682	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1397409	8.997	ppbv	100
38) Trichloroethene	7.97	130	886862	7.405	ppbv	99
39) 1,2-Dichloropropane	7.74	63	956975	8.646	ppbv	98
40) 1,4-Dioxane	7.96	88	317402	8.076	ppbv	97
41) Tetrahydrofuran	6.15	42	993099	9.158	ppbv	99
42) Bromodichloromethane	7.92	83	2027248	9.007	ppbv	99
43) Methyl Methacrylate	8.14	69	1002728	8.912	ppbv	99

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QLast Update : Wed Feb 20 06:00:52 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3980316	8.381	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1297049	10.410	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1508914	9.477	ppbv	97
47) 1,1,2-Trichloroethane	9.62	97	979309	8.532	ppbv	96
48) Dibromochloromethane	10.46	129	1741147	9.628	ppbv	100
49) Bromoform	13.21	173	1474877	9.478	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2456035	8.732	ppbv	99
51) 2-Hexanone	10.27	43	2019678	9.107	ppbv #	100
52) Tetrachloroethene	11.38	164	861681	8.003	ppbv	97
53) Toluene	9.95	91	2926551	8.818	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1568688	8.709	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1135888	8.901	ppbv #	61
57) Chlorobenzene	12.31	112	1961623	8.090	ppbv	98
58) Ethyl Benzene	12.87	91	3806200	8.462	ppbv	99
59) m/p-Xylene	13.15	91	6324089m	16.903	ppbv	
60) o-Xylene	13.86	91	3026167	8.295	ppbv	99
61) Styrene	13.69	104	2364425	8.585	ppbv	100
62) Isopropylbenzene	14.83	105	4413595	8.574	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2089198	7.335	ppbv	99
64) n-propylbenzene	15.73	120	1131628	8.648	ppbv	100
65) tert-Butylbenzene	16.91	119	3787342	8.450	ppbv	99
66) Benzyl Chloride	17.16	91	2008550	12.539	ppbv	100
67) sec-Butylbenzene	17.47	105	5369143	8.252	ppbv	100
69) p-Isopropyltoluene	17.82	119	4431711	8.178	ppbv	100
70) n-Butylbenzene	18.72	91	4712599	8.061	ppbv	100
71) 2-Chlorotoluene	15.62	91	3463032	8.564	ppbv	100
72) 4-Ethyltoluene	16.01	105	3661626	8.702	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	3510637	8.724	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	3428875	8.215	ppbv #	89
75) 1,3-Dichlorobenzene	17.17	146	1955335	8.123	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	2008554	8.421	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1962902	8.252	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1472142	12.446	ppbv	100
79) Naphthalene	22.42	128	3518191	7.843	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	1414997	6.237	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1745233	7.660	ppbv	100

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

