

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035682.D
 Acq On : 21 Sep 2020 10:36
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:05:54 PM

Quant Time: Sep 22 01:36:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	1001287	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	4013475	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4180232	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2928975	9.87	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1510161	8.703	ppbv	99
3) Chlorodifluoromethane	2.95	51	1090616	9.848	ppbv	100
4) Chloromethane	3.11	50	581399	9.799	ppbv	100
5) Vinyl Chloride	3.22	62	691232	9.450	ppbv	100
6) Bromomethane	3.44	94	611888	9.959	ppbv	96
7) Chloroethane	3.52	64	261623	10.117	ppbv	99
8) Dichlorotetrafluoroethane	3.16	85	2006665	9.549	ppbv	92
9) Propene	2.98	41	409431	9.590	ppbv	98
10) Heptane	8.09	43	1207105	10.527	ppbv	100
11) Trichlorofluoromethane	3.92	101	2433509	9.617	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1846541	9.668	ppbv	92
13) Ethanol	3.57	45	98535	9.309	ppbv	96
14) Bromoethene	3.71	108	816592	9.933	ppbv	99
15) Acetone	3.82	43	959920	8.692	ppbv	98
16) 1,3-Butadiene	3.29	39	430015	10.460	ppbv	99
17) tert-Butyl alcohol	4.26	59	1390449	10.344	ppbv	100
18) 1,1-Dichloroethene	4.25	96	861667	10.245	ppbv	98
19) Isopropyl Alcohol	3.93	45	669645	10.165	ppbv #	97
20) Methylene Chloride	4.31	84	698729	8.495	ppbv	96
21) Allyl Chloride	4.38	41	582887	11.266	ppbv	98
22) trans-1,2-Dichloroethene	4.85	96	894003	9.985	ppbv	93
23) Vinyl Acetate	5.04	43	1428183	10.076	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1460954	10.016	ppbv	99
25) Ethyl Acetate	5.64	43	1981501	10.157	ppbv	99
26) Hexane	5.65	57	1110744	10.048	ppbv	98
27) Carbon Disulfide	4.51	76	1874021	11.814	ppbv	99
28) Methyl tert-Butyl Ether	5.00	73	1913530	9.932	ppbv	100
29) Chloroform	5.72	83	2279674	10.122	ppbv	98
30) Cyclohexane	7.10	84	1220463	10.306	ppbv	96
31) cis-1,2-Dichloroethene	5.51	61	1167508	10.295	ppbv	97
32) 1,1,1-Trichloroethane	6.48	97	2221284	10.167	ppbv	99
34) 2-Butanone	5.21	43	1340141	11.251	ppbv	98
35) Carbon Tetrachloride	6.98	117	2320293	11.503	ppbv	98
36) Benzene	6.86	78	2809078	10.813	ppbv	99
37) 1,2-Dichloroethane	6.27	62	1391915	11.238	ppbv	98
38) Trichloroethene	7.80	130	1435256	9.511	ppbv	95
39) 1,2-Dichloropropane	7.58	63	951575	10.843	ppbv	98
40) 1,4-Dioxane	7.80	88	506297	11.548	ppbv	88
41) Tetrahydrofuran	6.02	42	750292	11.879	ppbv	98
42) Bromodichloromethane	7.76	83	2373608	11.850	ppbv	98
43) Methyl Methacrylate	7.98	69	1182899	11.775	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	3781984	11.064	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1333730	13.106	ppbv	99
46) cis-1,3-Dichloropropene	8.67	75	1578600	12.494	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1392041	10.749	ppbv	97
48) Dibromochloromethane	10.28	129	2359373	11.576	ppbv	100
49) Bromoform	13.01	173	2111464	11.431	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	2009455	11.651	ppbv	99
51) 2-Hexanone	10.10	43	1661983	11.747	ppbv #	98
52) Tetrachloroethene	11.19	164	1332698	8.781	ppbv	96
53) Toluene	9.77	91	3548682	10.862	ppbv	100
54) 1,2-Dibromoethane	10.58	107	2178168	10.645	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1838716	10.810	ppbv	96
57) Chlorobenzene	12.12	112	3006975	9.774	ppbv	97
58) Ethyl Benzene	12.68	91	4660190	10.811	ppbv	98
59) m/p-Xylene	12.97	91	8049193m	22.347	ppbv	
60) o-Xylene	13.67	91	3924439	10.818	ppbv	97
61) Styrene	13.50	104	3042762	10.967	ppbv	98
62) Isopropylbenzene	14.64	105	5926194	10.169	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.65	83	2874637	10.221	ppbv	99
64) n-propylbenzene	15.54	120	1796382	10.101	ppbv	85
65) tert-Butylbenzene	16.72	119	5460798	10.080	ppbv	95
66) Benzyl Chloride	16.97	91	1905141	14.151	ppbv	96
67) sec-Butylbenzene	17.28	105	7357576	10.194	ppbv	95
69) p-Isopropyltoluene	17.63	119	6196446	9.788	ppbv	97
70) n-Butylbenzene	18.53	91	6156930	10.097	ppbv	96
71) 2-Chlorotoluene	15.43	91	4523141	10.658	ppbv	95
72) 4-Ethyltoluene	15.82	105	4833360	10.480	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	4493770	10.534	ppbv	95
74) 1,2,4-Trimethylbenzene	16.74	105	4693900	10.020	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	3101445	8.938	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	3116326	9.106	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	3046604	9.062	ppbv	98
78) Hexachloro-1,3-Butadiene	23.36	225	1732779	8.073	ppbv	99
79) Naphthalene	22.18	128	4734411	9.108	ppbv	97
80) Naphthalene, 2-methyl-	24.96	142	1335643	7.528	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	2505056	8.048	ppbv	99

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

