

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091720\
 Data File : VL035655.D
 Acq On : 17 Sep 2020 12:16
 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 2:11:13 PM

Quant Time: Sep 18 04:07:42 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 15:19:50 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	5.67	49	1131388	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4651597	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4970745m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3376664	9.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1771186	9.034	ppbv	99
3) Chlorodifluoromethane	2.98	51	1186900	9.485	ppbv	99
4) Chloromethane	3.13	50	632786	9.439	ppbv	99
5) Vinyl Chloride	3.25	62	766935	9.279	ppbv	99
6) Bromomethane	3.47	94	666955	9.607	ppbv	99
7) Chloroethane	3.55	64	288736	9.881	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2218294	9.342	ppbv	94
9) Propene	3.00	41	454502	9.422	ppbv	100
10) Heptane	8.13	43	1298516	10.022	ppbv	100
11) Trichlorofluoromethane	3.95	101	2605091	9.111	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1983429	9.191	ppbv	94
13) Ethanol	3.60	45	106264	8.885	ppbv	98
14) Bromoethene	3.74	108	894770	9.632	ppbv	100
15) Acetone	3.85	43	1018400	8.161	ppbv	99
16) 1,3-Butadiene	3.32	39	472494	10.172	ppbv	99
17) tert-Butyl alcohol	4.29	59	1489773	9.808	ppbv	100
18) 1,1-Dichloroethene	4.28	96	930787	9.794	ppbv	97
19) Isopropyl Alcohol	3.97	45	732247	9.837	ppbv	99
20) Methylene Chloride	4.34	84	758207	8.158	ppbv	97
21) Allyl Chloride	4.41	41	638069	10.915	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	974161	9.629	ppbv	96
23) Vinyl Acetate	5.08	43	1592339	9.942	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1608456	9.759	ppbv	100
25) Ethyl Acetate	5.68	43	2122408	9.628	ppbv	100
26) Hexane	5.69	57	1209939	9.687	ppbv	99
27) Carbon Disulfide	4.55	76	2005785	11.191	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2173357	9.984	ppbv	99
29) Chloroform	5.76	83	2453161	9.640	ppbv	100
30) Cyclohexane	7.13	84	1364269	10.196	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1304578	10.180	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2403648	9.736	ppbv	98
34) 2-Butanone	5.25	43	1462644	10.595	ppbv	99
35) Carbon Tetrachloride	7.02	117	2475306	10.588	ppbv	99
36) Benzene	6.90	78	3126607	10.384	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1513084	10.540	ppbv	99
38) Trichloroethene	7.84	130	1588383	9.081	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1053152	10.354	ppbv	99
40) 1,4-Dioxane	7.84	88	564259	11.105	ppbv	94
41) Tetrahydrofuran	6.05	42	831777	11.363	ppbv	100
42) Bromodichloromethane	7.80	83	2560568	11.030	ppbv	99
43) Methyl Methacrylate	8.02	69	1301310	11.177	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4094513	10.335	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1464101	12.413	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1750607	11.954	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1528812	10.186	ppbv	99
48) Dibromochloromethane	10.32	129	2577338	10.911	ppbv	100
49) Bromoform	13.06	173	2330335	10.885	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2143021	10.721	ppbv	100
51) 2-Hexanone	10.14	43	1794464	10.944	ppbv #	99
52) Tetrachloroethene	11.24	164	1534126	8.721	ppbv	98
53) Toluene	9.82	91	3936487	10.396	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2415557	10.185	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	2003466	9.905	ppbv	99
57) Chlorobenzene	12.16	112	3320179	9.076	ppbv	97
58) Ethyl Benzene	12.73	91	5098300	9.946	ppbv	98
59) m/p-Xylene	13.01	91	8376946m	19.558	ppbv	
60) o-Xylene	13.71	91	4233354	9.814	ppbv	99
61) Styrene	13.55	104	3402178	10.312	ppbv	99
62) Isopropylbenzene	14.69	105	6455938	9.317	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	3060145	9.150	ppbv	100
64) n-propylbenzene	15.58	120	2002478	9.469	ppbv	92
65) tert-Butylbenzene	16.77	119	5987592	9.295	ppbv	97
66) Benzyl Chloride	17.01	91	2051591	12.815	ppbv	97
67) sec-Butylbenzene	17.32	105	7932462	9.243	ppbv	97
69) p-Isopropyltoluene	17.67	119	6761964	8.982	ppbv	98
70) n-Butylbenzene	18.57	91	6591527	9.090	ppbv	98
71) 2-Chlorotoluene	15.47	91	4907458	9.725	ppbv	96
72) 4-Ethyltoluene	15.86	105	5253137	9.579	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4880033	9.621	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	5065529	9.094	ppbv	98
75) 1,3-Dichlorobenzene	17.02	146	3438010	8.332	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3472230	8.533	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	3403161	8.513	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	1885526	7.388	ppbv	100
79) Naphthalene	22.23	128	5277560	8.538	ppbv	97
80) Naphthalene, 2-methyl-	24.99	142	1532211	7.263	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	2843130	7.681	ppbv	100

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

