

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090320\
 Data File : VL035551.D
 Acq On : 4 Sep 2020 9:37
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 5:13:16 PM

Quant Time: Sep 04 11:58:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	995434	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4236495	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4602242m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3192807	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1472690	8.537	ppbv 99
3) Chlorodifluoromethane	2.99	51	1145530	10.405	ppbv 99
4) Chloromethane	3.14	50	631655	10.709	ppbv 100
5) Vinyl Chloride	3.26	62	741335	10.195	ppbv 99
6) Bromomethane	3.47	94	653659	10.702	ppbv 99
7) Chloroethane	3.56	64	280019	10.892	ppbv 98
8) Dichlorotetrafluoroethane	3.19	85	2116235	10.129	ppbv 97
9) Propene	3.01	41	446178	10.512	ppbv 100
10) Heptane	8.14	43	1260167	11.054	ppbv 100
11) Trichlorofluoromethane	3.95	101	2594262	10.312	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1978768	10.421	ppbv 98
13) Ethanol	3.61	45	110642	10.514	ppbv 97
14) Bromoethene	3.74	108	892937	10.926	ppbv 99
15) Acetone	3.85	43	1169722	10.654	ppbv 99
16) 1,3-Butadiene	3.33	39	453979	11.108	ppbv 99
17) tert-Butyl alcohol	4.30	59	1465322	10.965	ppbv 100
18) 1,1-Dichloroethene	4.29	96	913698	10.928	ppbv 99
19) Isopropyl Alcohol	3.97	45	740339	11.304	ppbv # 98
20) Methylene Chloride	4.35	84	735241	8.992	ppbv 99
21) Allyl Chloride	4.42	41	601793	11.700	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	964183	10.832	ppbv 98
23) Vinyl Acetate	5.09	43	1656616	11.756	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1552708	10.707	ppbv 100
25) Ethyl Acetate	5.69	43	2058663	10.614	ppbv 100
26) Hexane	5.70	57	1171554	10.661	ppbv 100
27) Carbon Disulfide	4.56	76	1918362	12.165	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	2090236	10.913	ppbv 100
29) Chloroform	5.77	83	2377007	10.616	ppbv 100
30) Cyclohexane	7.15	84	1328758	11.287	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1263064	11.203	ppbv 99
32) 1,1,1-Trichloroethane	6.53	97	2353615	10.836	ppbv 99
34) 2-Butanone	5.26	43	1442446	11.473	ppbv 100
35) Carbon Tetrachloride	7.04	117	2487711	11.684	ppbv 99
36) Benzene	6.91	78	3061237	11.163	ppbv 100
37) 1,2-Dichloroethane	6.32	62	1453052	11.114	ppbv 100
38) Trichloroethene	7.86	130	1610915	10.113	ppbv 96
39) 1,2-Dichloropropane	7.63	63	1029421	11.112	ppbv 99
40) 1,4-Dioxane	7.85	88	550159	11.888	ppbv 94
41) Tetrahydrofuran	6.06	42	801167	12.017	ppbv 99
42) Bromodichloromethane	7.81	83	2500731	11.828	ppbv 99
43) Methyl Methacrylate	8.04	69	1294922	12.212	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3967557	10.996	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1433698	13.346	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1703461	12.772	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	1517097	11.098	ppbv	99
48) Dibromochloromethane	10.33	129	2629461	12.222	ppbv	100
49) Bromoform	13.07	173	2437182	12.500	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2132133	11.711	ppbv	100
51) 2-Hexanone	10.16	43	1855336	12.423	ppbv	100
52) Tetrachloroethene	11.25	164	1642225	10.251	ppbv	98
53) Toluene	9.83	91	3931259	11.400	ppbv	100
54) 1,2-Dibromoethane	10.64	107	2420037	11.204	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.16	131	2057768	10.989	ppbv	98
57) Chlorobenzene	12.18	112	3409120	10.065	ppbv	99
58) Ethyl Benzene	12.74	91	5163322	10.880	ppbv	100
59) m/p-Xylene	13.03	91	8759981m	22.090	ppbv	
60) o-Xylene	13.73	91	4282054	10.721	ppbv	99
61) Styrene	13.56	104	3509338	11.488	ppbv	99
62) Isopropylbenzene	14.70	105	6525977	10.172	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	3043374	9.828	ppbv	100
64) n-propylbenzene	15.60	120	2101361	10.733	ppbv	96
65) tert-Butylbenzene	16.78	119	6216554	10.423	ppbv	99
66) Benzyl Chloride	17.03	91	2141555	14.448	ppbv	98
67) sec-Butylbenzene	17.33	105	8087504	10.178	ppbv	99
69) p-Isopropyltoluene	17.69	119	7150358	10.259	ppbv	99
70) n-Butylbenzene	18.59	91	7023295	10.461	ppbv	99
71) 2-Chlorotoluene	15.49	91	5035263	10.777	ppbv	98
72) 4-Ethyltoluene	15.88	105	5486990	10.806	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	5065159	10.785	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	5329821	10.334	ppbv	98
75) 1,3-Dichlorobenzene	17.03	146	3816078	9.989	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	3866311	10.262	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	3720559	10.052	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2299397	9.731	ppbv	100
79) Naphthalene	22.25	128	6423882	11.225	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	2657506	13.605	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	3566724	10.408	ppbv	100

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

