

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035704.D
 Acq On : 23 Sep 2020 3:21
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:35:10 PM

Quant Time: Sep 23 05:37:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 2020
 QLast Update : Wed Sep 23 05:25:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1221464	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4696284	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4770376m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3570550	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1798997	8.511	ppbv 100
3) Chlorodifluoromethane	2.99	51	1209411	9.061	ppbv 100
4) Chloromethane	3.14	50	661178	9.248	ppbv 100
5) Vinyl Chloride	3.26	62	787615	8.879	ppbv 100
6) Bromomethane	3.47	94	674350	9.143	ppbv 100
7) Chloroethane	3.56	64	292429	9.366	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	2230067	8.806	ppbv 100
9) Propene	3.01	41	465958	9.066	ppbv 100
10) Heptane	8.14	43	1415183	10.085	ppbv 100
11) Trichlorofluoromethane	3.95	101	2681268	8.803	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2036116	8.875	ppbv 100
13) Ethanol	3.61	45	110138	8.637	ppbv 100
14) Bromoethene	3.74	108	889113	9.064	ppbv 100
15) Acetone	3.85	43	1101471	8.308	ppbv 100
16) 1,3-Butadiene	3.33	39	488896	9.793	ppbv 100
17) tert-Butyl alcohol	4.30	59	1444082	9.045	ppbv 100
18) 1,1-Dichloroethene	4.29	96	936504	9.278	ppbv 100
19) Isopropyl Alcohol	3.98	45	709878	9.096	ppbv 100
20) Methylene Chloride	4.35	84	783192	7.844	ppbv 100
21) Allyl Chloride	4.42	41	653790	10.418	ppbv 100
22) trans-1,2-Dichloroethene	4.89	96	988678	9.186	ppbv 100
23) Vinyl Acetate	5.08	43	1683546	9.852	ppbv 100
24) 1,1-Dichloroethane	5.02	63	1662914	9.396	ppbv 100
25) Ethyl Acetate	5.69	43	2285929	9.578	ppbv 100
26) Hexane	5.70	57	1277049	9.469	ppbv 100
27) Carbon Disulfide	4.56	76	2081285	10.815	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	2108264	9.192	ppbv 100
29) Chloroform	5.77	83	2530220	9.284	ppbv 100
30) Cyclohexane	7.15	84	1388117	9.764	ppbv 100
31) cis-1,2-Dichloroethene	5.56	61	1318452	9.639	ppbv 100
32) 1,1,1-Trichloroethane	6.53	97	2435247	9.240	ppbv 100
34) 2-Butanone	5.25	43	1559356	10.912	ppbv 100
35) Carbon Tetrachloride	7.03	117	2540915	10.706	ppbv 100
36) Benzene	6.91	78	3152755	10.262	ppbv 100
37) 1,2-Dichloroethane	6.32	62	1548567	10.471	ppbv 100
38) Trichloroethene	7.85	130	1601867	9.080	ppbv 100
39) 1,2-Dichloropropane	7.63	63	1094127	10.472	ppbv 100
40) 1,4-Dioxane	7.84	88	531061	10.424	ppbv 100
41) Tetrahydrofuran	6.06	42	870707	11.507	ppbv 100
42) Bromodichloromethane	7.81	83	2655430	11.133	ppbv 100
43) Methyl Methacrylate	8.03	69	1358031	11.340	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4325675	10.560	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1514152	12.522	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1801562	11.991	ppbv	100
47) 1,1,2-Trichloroethane	9.50	97	1556624	10.176	ppbv	100
48) Dibromochloromethane	10.33	129	2640923	11.061	ppbv	100
49) Bromoform	13.07	173	2349486	11.049	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2348199	11.310	ppbv	100
51) 2-Hexanone	10.15	43	2003172	11.795	ppbv	100
52) Tetrachloroethene	11.25	164	1489213	8.513	ppbv	100
53) Toluene	9.83	91	3989552	10.361	ppbv	100
54) 1,2-Dibromoethane	10.64	107	2453614	10.191	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	2027930	10.349	ppbv	98
57) Chlorobenzene	12.18	112	3395159	9.541	ppbv	100
58) Ethyl Benzene	12.74	91	5197470	10.375	ppbv	100
59) m/p-Xylene	13.02	91	8573325m	20.348	ppbv	
60) o-Xylene	13.72	91	4413352	10.416	ppbv	100
61) Styrene	13.55	104	3443455	10.761	ppbv	100
62) Isopropylbenzene	14.70	105	6557498	9.718	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	3248851	9.907	ppbv	100
64) n-propylbenzene	15.59	120	2038869	9.979	ppbv	100
65) tert-Butylbenzene	16.78	119	6102515	9.771	ppbv	100
66) Benzyl Chloride	17.02	91	2368310	14.771	ppbv	100
67) sec-Butylbenzene	17.33	105	8142435	9.728	ppbv	100
69) p-Isopropyltoluene	17.69	119	6932326	9.528	ppbv	100
70) n-Butylbenzene	18.59	91	7018194	9.919	ppbv	100
71) 2-Chlorotoluene	15.49	91	5083590	10.301	ppbv	100
72) 4-Ethyltoluene	15.87	105	5433355	10.192	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	5031873	10.195	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	5300523	9.769	ppbv	100
75) 1,3-Dichlorobenzene	17.03	146	3509797	8.909	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	3561166	9.164	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	3437867	9.013	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	1924960	8.066	ppbv	100
79) Naphthalene	22.25	128	5517860	9.472	ppbv	100
80) Naphthalene, 2-methyl-	25.00	142	1796809	9.476	ppbv	100
81) 1,2,4-Trichlorobenzene	21.97	180	2777951	8.132	ppbv	100

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

