

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036342.D
 Acq On : 11 Feb 2021 9:52
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 2/12/2021 1:42:55 PM

Quant Time: Feb 11 21:20:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 11 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1646201	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3742243	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3503360m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2994698	10.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2242088	9.126	ppbv	98
3) Chlorodifluoromethane	2.98	51	1829898	8.946	ppbv	100
4) Chloromethane	3.13	50	924377	9.354	ppbv	94
5) Vinyl Chloride	3.24	62	842596	9.157	ppbv	98
6) Bromomethane	3.46	94	484927	8.866	ppbv	97
7) Chloroethane	3.54	64	306565	9.383	ppbv	93
8) Dichlorotetrafluoroethane	3.17	85	2074830	9.286	ppbv	99
9) Propene	3.00	41	810093	10.623	ppbv	98
10) Heptane	8.10	43	2151905	9.575	ppbv	98
11) Trichlorofluoromethane	3.93	101	2190954	9.107	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1364638	9.157	ppbv	99
13) Ethanol	3.59	45	101495	7.086	ppbv	100
14) Bromoethene	3.72	108	553127	8.868	ppbv	95
15) Acetone	3.84	43	1676164	8.330	ppbv	100
16) 1,3-Butadiene	3.31	39	866630	9.006	ppbv	99
17) tert-Butyl alcohol	4.28	59	1364884	8.738	ppbv	100
18) 1,1-Dichloroethene	4.28	96	586158	8.655	ppbv	99
19) Isopropyl Alcohol	3.96	45	933468	8.373	ppbv #	98
20) Methylene Chloride	4.33	84	511509	7.879	ppbv	95
21) Allyl Chloride	4.39	41	1010303	9.018	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	580141	9.430	ppbv	97
23) Vinyl Acetate	5.06	43	2079175	8.788	ppbv	97
24) 1,1-Dichloroethane	5.00	63	1535783	8.777	ppbv	99
25) Ethyl Acetate	5.66	43	3563354	9.173	ppbv	100
26) Hexane	5.67	57	1444252	9.048	ppbv	99
27) Carbon Disulfide	4.53	76	1507493	10.276	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1971587	9.456	ppbv	100
29) Chloroform	5.74	83	2333968	9.076	ppbv	100
30) Cyclohexane	7.11	84	1203304	9.065	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1470180	9.309	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2242088	9.326	ppbv	100
34) 2-Butanone	5.23	43	2255339	9.071	ppbv	99
35) Carbon Tetrachloride	7.00	117	2310047	9.210	ppbv	99
36) Benzene	6.88	78	3028985	9.528	ppbv	96
37) 1,2-Dichloroethane	6.29	62	1832829	9.325	ppbv	100
38) Trichloroethene	7.82	130	1010972	8.877	ppbv	96
39) 1,2-Dichloropropane	7.60	63	1205969	9.339	ppbv	98
40) 1,4-Dioxane	7.81	88	143662	3.211	ppbv #	23
41) Tetrahydrofuran	6.03	42	1319247	9.508	ppbv	100
42) Bromodichloromethane	7.78	83	2483234	9.434	ppbv	96
43) Methyl Methacrylate	8.00	69	1350609	10.074	ppbv	99

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44) 2,2,4-Trimethylpentane	7.85	57	5204422	9.004	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1394353	10.782	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1703565	10.370	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	1188870	8.996	ppbv	98
48) Dibromochloromethane	10.29	129	1949855	9.888	ppbv	100
49) Bromoform	13.03	173	1558071	9.773	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	3470630	9.402	ppbv	100
51) 2-Hexanone	10.11	43	2852361	10.170	ppbv #	98
52) Tetrachloroethene	11.20	164	971278	8.346	ppbv	98
53) Toluene	9.79	91	3315767	9.630	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1747871	9.152	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1432228	8.888	ppbv #	62
57) Chlorobenzene	12.13	112	2369620	8.754	ppbv	96
58) Ethyl Benzene	12.69	91	4475062	9.328	ppbv	98
59) m/p-Xylene	12.98	91	7548105m	17.913	ppbv	
60) o-Xylene	13.68	91	3563386	8.845	ppbv	100
61) Styrene	13.51	104	2482707	9.943	ppbv	99
62) Isopropylbenzene	14.65	105	5255489	8.703	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2496202	7.852	ppbv	99
64) n-propylbenzene	15.55	120	1354823	9.116	ppbv	100
65) tert-Butylbenzene	16.73	119	4446294	8.605	ppbv	99
66) Benzyl Chloride	16.97	91	1444768	10.285	ppbv	100
67) sec-Butylbenzene	17.28	105	6307425	8.464	ppbv	99
69) p-Isopropyltoluene	17.64	119	5173491	8.984	ppbv	100
70) n-Butylbenzene	18.54	91	5569705	9.019	ppbv	100
71) 2-Chlorotoluene	15.44	91	4083967	8.822	ppbv	99
72) 4-Ethyltoluene	15.82	105	4091338	9.125	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	3829604	8.811	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3870201	8.722	ppbv	96
75) 1,3-Dichlorobenzene	16.98	146	2031411	8.435	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	2039870	8.156	ppbv	96
77) 1,2-Dichlorobenzene	17.80	146	2030536	8.499	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1630883	8.355	ppbv	99
79) Naphthalene	22.18	128	3264335m	12.411	ppbv	
80) Naphthalene, 2-methyl-	24.97	142	457646	9.397	ppbv	100
81) 1,2,4-Trichlorobenzene	21.91	180	1716158m	10.694	ppbv	

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

