

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030121\
 Data File : VL036422.D
 Acq On : 1 Mar 2021 19:46
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 3/2/2021 3:30:39 PM

Quant Time: Mar 02 06:36:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 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	5.68	49	1696931	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.19	114	3880684	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	3853371m	10.00	ppbv	0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3035991	9.58	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	2062291	8.143	ppbv	99
3) Chlorodifluoromethane	2.99	51	1841818	8.735	ppbv	99
4) Chloromethane	3.14	50	934677	9.176	ppbv	99
5) Vinyl Chloride	3.26	62	895397	9.440	ppbv	98
6) Bromomethane	3.48	94	506410	8.982	ppbv	96
7) Chloroethane	3.56	64	323716	9.612	ppbv	93
8) Dichlorotetrafluoroethane	3.19	85	2134262	9.266	ppbv	99
9) Propene	3.01	41	828022	10.533	ppbv	99
10) Heptane	8.14	43	2170068	9.367	ppbv	99
11) Trichlorofluoromethane	3.96	101	2226946	8.980	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1379855	8.982	ppbv	99
13) Ethanol	3.61	45	120982m	8.194	ppbv	
14) Bromoethene	3.75	108	578253	8.994	ppbv	99
15) Acetone	3.86	43	1739113	8.384	ppbv	98
16) 1,3-Butadiene	3.33	39	888160	8.954	ppbv	98
17) tert-Butyl alcohol	4.30	59	1399004	8.689	ppbv	100
18) 1,1-Dichloroethene	4.30	96	605474	8.673	ppbv	97
19) Isopropyl Alcohol	3.98	45	874543	7.610	ppbv #	97
20) Methylene Chloride	4.35	84	521986	7.800	ppbv	91
21) Allyl Chloride	4.42	41	1005971	8.711	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	559556	8.824	ppbv	97
23) Vinyl Acetate	5.09	43	2148039	8.807	ppbv	97
24) 1,1-Dichloroethane	5.02	63	1677135	9.298	ppbv	100
25) Ethyl Acetate	5.69	43	3539087	8.838	ppbv	99
26) Hexane	5.70	57	1438602	8.744	ppbv	98
27) Carbon Disulfide	4.56	76	1512717	10.004	ppbv	97
28) Methyl tert-Butyl Ether	5.05	73	1982664	9.224	ppbv	100
29) Chloroform	5.77	83	2331812	8.797	ppbv	98
30) Cyclohexane	7.14	84	1206243	8.815	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1478122	9.079	ppbv	94
32) 1,1,1-Trichloroethane	6.53	97	2274162	9.177	ppbv	99
34) 2-Butanone	5.26	43	2251967	8.734	ppbv	100
35) Carbon Tetrachloride	7.03	117	2333050	8.970	ppbv	96
36) Benzene	6.91	78	3056383	9.272	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1781838	8.742	ppbv	99
38) Trichloroethene	7.85	130	1050883	8.899	ppbv	95
39) 1,2-Dichloropropane	7.63	63	1236023	9.230	ppbv	97
40) 1,4-Dioxane	7.85	88	346552	7.469	ppbv #	23
41) Tetrahydrofuran	6.06	42	1348575	9.372	ppbv	98
42) Bromodichloromethane	7.81	83	2517378	9.222	ppbv	96
43) Methyl Methacrylate	8.03	69	1341341	9.648	ppbv	99

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44) 2,2,4-Trimethylpentane	7.88	57	5290878	8.827	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1397681	10.422	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1707039	10.020	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1188613	8.673	ppbv	98
48) Dibromochloromethane	10.32	129	1963473	9.601	ppbv	98
49) Bromoform	13.06	173	1581535	9.567	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	3505996	9.159	ppbv	99
51) 2-Hexanone	10.15	43	2851774	9.805	ppbv	98
52) Tetrachloroethene	11.24	164	969002	8.029	ppbv	97
53) Toluene	9.83	91	3369106	9.436	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1756486	8.869	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	1463375	8.257	ppbv #	61
57) Chlorobenzene	12.17	112	2412119	8.102	ppbv	98
58) Ethyl Benzene	12.73	91	4536416	8.597	ppbv	99
59) m/p-Xylene	13.02	91	7631995m	16.467	ppbv	
60) o-Xylene	13.71	91	3623132	8.176	ppbv	100
61) Styrene	13.55	104	2528290	9.206	ppbv	99
62) Isopropylbenzene	14.69	105	5296444	7.974	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2537415	7.257	ppbv	100
64) n-propylbenzene	15.58	120	1398782	8.556	ppbv	97
65) tert-Butylbenzene	16.77	119	4491581	7.903	ppbv	99
66) Benzyl Chloride	17.01	91	1518558	9.829	ppbv	99
67) sec-Butylbenzene	17.32	105	6459684	7.881	ppbv	99
69) p-Isopropyltoluene	17.68	119	5261089	8.306	ppbv	99
70) n-Butylbenzene	18.57	91	5653212	8.323	ppbv	100
71) 2-Chlorotoluene	15.47	91	4143373	8.137	ppbv	99
72) 4-Ethyltoluene	15.86	105	4159966	8.435	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	3881222	8.119	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	3890179	7.971	ppbv #	90
75) 1,3-Dichlorobenzene	17.02	146	2112986	7.976	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2064896	7.506	ppbv	95
77) 1,2-Dichlorobenzene	17.84	146	2097434	7.981	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1665201	7.756	ppbv	99
79) Naphthalene	22.22	128	3326014	11.497	ppbv	98
80) Naphthalene,2-methyl-	24.99	142	814936	15.214	ppbv	93
81) 1,2,4-Trichlorobenzene	21.95	180	1731574	9.810	ppbv	98

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

