

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030321\
 Data File : VL036433.D
 Acq On : 3 Mar 2021 9:33
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Quant Time: Mar 03 10:39:36 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Wed Feb 10 16:04:02 2021

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 03/04/2021
 Supervised By : Mahesh Dadoda 03/04/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1709120	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	4044251	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3811752m	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3199057	10.20	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2071762	8.122 ppbv	99
3) Chlorodifluoromethane	2.99	51	1833035	8.632 ppbv	100
4) Chloromethane	3.14	50	924817	9.014 ppbv	95
5) Vinyl Chloride	3.26	62	891538	9.332 ppbv	98
6) Bromomethane	3.48	94	519630	9.151 ppbv	91
7) Chloroethane	3.56	64	324345	9.562 ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2113424	9.110 ppbv	97
9) Propene	3.01	41	841765	10.632 ppbv	100
10) Heptane	8.13	43	2162803	9.269 ppbv	99
11) Trichlorofluoromethane	3.95	101	2268332	9.082 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1452520	9.388 ppbv	99
13) Ethanol	3.62	45	143601	9.656 ppbv	97
14) Bromoethene	3.74	108	627722	9.694 ppbv	97
15) Acetone	3.85	43	1699439	8.134 ppbv	98
16) 1,3-Butadiene	3.33	39	886782	8.877 ppbv	100
17) tert-Butyl alcohol	4.30	59	1516639	9.352 ppbv	100
18) 1,1-Dichloroethene	4.29	96	629154	8.948 ppbv	96
19) Isopropyl Alcohol	3.97	45	1047359	9.049 ppbv	100
20) Methylene Chloride	4.35	84	542668	8.051 ppbv	98
21) Allyl Chloride	4.42	41	1079082	9.277 ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	588991	9.222 ppbv	98
23) Vinyl Acetate	5.08	43	2299153	9.360 ppbv	98
24) 1,1-Dichloroethane	5.01	63	1686290	9.282 ppbv	99
25) Ethyl Acetate	5.68	43	3664543	9.086 ppbv	99
26) Hexane	5.69	57	1481939	8.943 ppbv	99
27) Carbon Disulfide	4.55	76	1634775	10.734 ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	2032426	9.389 ppbv	100
29) Chloroform	5.76	83	2382737	8.925 ppbv	99
30) Cyclohexane	7.14	84	1250693	9.075 ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	1491899	9.098 ppbv	91
32) 1,1,1-Trichloroethane	6.52	97	2332922	9.347 ppbv	99
34) 2-Butanone	5.25	43	2250847	8.377 ppbv	100
35) Carbon Tetrachloride	7.02	117	2421234	8.933 ppbv	99
36) Benzene	6.90	78	3091452	8.999 ppbv	98
37) 1,2-Dichloroethane	6.31	62	1851044	8.715 ppbv	99
38) Trichloroethene	7.85	130	1092372	8.876 ppbv	93
39) 1,2-Dichloropropane	7.62	63	1206038	8.642 ppbv	97
40) 1,4-Dioxane	7.84	88	406070	8.398 ppbv	# 1
41) Tetrahydrofuran	6.06	42	1393665	9.294 ppbv	98
42) Bromodichloromethane	7.80	83	2590522	9.106 ppbv	100
43) Methyl Methacrylate	8.02	69	1357033	9.366 ppbv	99

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44) 2,2,4-Trimethylpentane	7.88	57	5283152	8.457	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1445145	10.340	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1771880	9.980	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1257867	8.807	ppbv	97
48) Dibromochloromethane	10.31	129	2099504	9.851	ppbv	99
49) Bromoform	13.05	173	1745462	10.131	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3589018	8.997	ppbv	100
51) 2-Hexanone	10.14	43	2924103	9.647	ppbv #	98
52) Tetrachloroethene	11.23	164	1042694	8.291	ppbv	97
53) Toluene	9.81	91	3476776	9.343	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1866263	9.042	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.14	131	1571640	8.964	ppbv	98
57) Chlorobenzene	12.16	112	2546640	8.647	ppbv	98
58) Ethyl Benzene	12.72	91	4714952	9.033	ppbv	98
59) m/p-Xylene	13.01	91	8098242m	17.664	ppbv	
60) o-Xylene	13.70	91	3815275	8.704	ppbv	100
61) Styrene	13.54	104	2716044	9.998	ppbv	98
62) Isopropylbenzene	14.68	105	5652542	8.603	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	2719424	7.863	ppbv	100
64) n-propylbenzene	15.57	120	1479633	9.150	ppbv	96
65) tert-Butylbenzene	16.76	119	4873490	8.669	ppbv	97
66) Benzyl Chloride	17.00	91	1807012	11.823	ppbv	100
67) sec-Butylbenzene	17.31	105	6854809	8.455	ppbv	98
69) p-Isopropyltoluene	17.67	119	5633205	8.991	ppbv	99
70) n-Butylbenzene	18.56	91	5830527	8.678	ppbv	99
71) 2-Chlorotoluene	15.46	91	4450363	8.836	ppbv	98
72) 4-Ethyltoluene	15.85	105	4408997	9.038	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4154484	8.785	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	4202188	8.704	ppbv	96
75) 1,3-Dichlorobenzene	17.01	146	2327986	8.884	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2278978	8.375	ppbv	97
77) 1,2-Dichlorobenzene	17.83	146	2256792	8.682	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1576276	7.422	ppbv	98
79) Naphthalene	22.22	128	3004139m	10.498	ppbv	
80) Naphthalene, 2-methyl-	24.99	142	837475	15.805	ppbv	94
81) 1,2,4-Trichlorobenzene	21.95	180	1520445	8.708	ppbv	98

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

