

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030321\
 Data File : VL036436.D
 Acq On : 3 Mar 2021 11:28
 Operator : SY/AP
 Sample : VSTDICC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Quant Time: Mar 03 13:52:14 2021

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

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

QLast Update : Wed Mar 03 10:40:25 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	1713165	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3951103	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3600204	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2950822	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	145836	0.570	ppbv	99
3) Chlorodifluoromethane	2.99	51	109208	0.513	ppbv	99
4) Chloromethane	3.14	50	49979	0.486	ppbv	89
5) Vinyl Chloride	3.26	62	50807m	0.531	ppbv	
6) Bromomethane	3.48	94	31153m	0.547	ppbv	
7) Chloroethane	3.56	64	17840m	0.525	ppbv	
8) Dichlorotetrafluoroethane	3.19	85	126910	0.546	ppbv	97
9) Propene	3.01	41	46134	0.581	ppbv	92
10) Heptane	8.13	43	95027	0.406	ppbv	93
11) Trichlorofluoromethane	3.95	101	135751m	0.542	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.49	101	81920	0.528	ppbv	97
13) Ethanol	3.62	45	6326m	0.424	ppbv	
14) Bromoethene	3.74	108	33658m	0.519	ppbv	
15) Acetone	3.86	43	103326m	0.493	ppbv	
16) 1,3-Butadiene	3.33	39	46243m	0.462	ppbv	
17) tert-Butyl alcohol	4.31	59	87228m	0.537	ppbv	
18) 1,1-Dichloroethene	4.29	96	36162m	0.513	ppbv	
19) Isopropyl Alcohol	3.99	45	61870m	0.533	ppbv	
20) Methylene Chloride	4.35	84	37585	0.556	ppbv	94
21) Allyl Chloride	4.41	41	57786m	0.496	ppbv	
22) trans-1,2-Dichloroethene	4.89	96	29052	0.454	ppbv #	85
23) Vinyl Acetate	5.09	43	103231m	0.419	ppbv	
24) 1,1-Dichloroethane	5.01	63	85095	0.467	ppbv #	97
25) Ethyl Acetate	5.69	43	173322	0.429	ppbv #	96
26) Hexane	5.69	57	75191	0.453	ppbv	89
27) Carbon Disulfide	4.56	76	66900	0.438	ppbv #	87
28) Methyl tert-Butyl Ether	5.05	73	103948m	0.479	ppbv	
29) Chloroform	5.75	83	129358	0.483	ppbv	100
30) Cyclohexane	7.14	84	63849m	0.462	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	70409m	0.428	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	126733m	0.507	ppbv	
34) 2-Butanone	5.26	43	123769m	0.471	ppbv	
35) Carbon Tetrachloride	7.02	117	122477	0.463	ppbv	95
36) Benzene	6.90	78	144702	0.431	ppbv	92
37) 1,2-Dichloroethane	6.32	62	99395m	0.479	ppbv	
38) Trichloroethene	7.85	130	54651m	0.455	ppbv	
39) 1,2-Dichloropropane	7.62	63	68838m	0.505	ppbv	
40) 1,4-Dioxane	7.87	88	22570m	0.478	ppbv	
41) Tetrahydrofuran	6.08	42	55867m	0.381	ppbv	
42) Bromodichloromethane	7.80	83	129986m	0.468	ppbv	
43) Methyl Methacrylate	8.02	69	50017m	0.353	ppbv	

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 Supervised By : Mahesh Dadoda 03/04/2021

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	279126	0.457	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	45772m	0.335	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	61895m	0.357	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	66841m	0.479	ppbv	
48) Dibromochloromethane	10.31	129	89549m	0.430	ppbv	
49) Bromoform	13.05	173	68108m	0.405	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	155268m	0.398	ppbv	
51) 2-Hexanone	10.16	43	100155m	0.338	ppbv	
52) Tetrachloroethene	11.23	164	56411m	0.459	ppbv	
53) Toluene	9.82	91	139058	0.383	ppbv	98
54) 1,2-Dibromoethane	10.62	107	89811m	0.445	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.13	131	85845m	0.518	ppbv	
57) Chlorobenzene	12.15	112	135223	0.486	ppbv #	97
58) Ethyl Benzene	12.72	91	200894	0.408	ppbv	89
59) m/p-Xylene	13.00	91	370957m	0.857	ppbv	
60) o-Xylene	13.70	91	180351	0.436	ppbv	96
61) Styrene	13.54	104	89097m	0.347	ppbv	
62) Isopropylbenzene	14.68	105	282337	0.455	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.69	83	160515m	0.491	ppbv	
64) n-propylbenzene	15.57	120	67535m	0.442	ppbv	
65) tert-Butylbenzene	16.76	119	237389m	0.447	ppbv	
66) Benzyl Chloride	17.01	91	50944m	0.353	ppbv	
67) sec-Butylbenzene	17.31	105	321225	0.419	ppbv	99
69) p-Isopropyltoluene	17.66	119	251996m	0.426	ppbv	
70) n-Butylbenzene	18.57	91	249081	0.392	ppbv	95
71) 2-Chlorotoluene	15.47	91	198742	0.418	ppbv	99
72) 4-Ethyltoluene	15.85	105	172917	0.375	ppbv	96
73) 1,3,5-Trimethylbenzene	16.01	105	185763m	0.416	ppbv	
74) 1,2,4-Trimethylbenzene	16.78	105	196144	0.430	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	117259m	0.474	ppbv	
76) 1,4-Dichlorobenzene	17.16	146	122206m	0.475	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	115531m	0.471	ppbv	
78) Hexachloro-1,3-Butadiene	23.39	225	98618m	0.492	ppbv	
79) Naphthalene	22.23	128	83866m	0.310	ppbv	
80) Naphthalene, 2-methyl-	25.12	142	16191m	0.324	ppbv	
81) 1,2,4-Trichlorobenzene	21.97	180	54167m	0.328	ppbv	

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

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