

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036473.D
 Acq On : 25 Mar 2021 3:56
 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 25 09:33:50 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Mar 25 07:52:30 2021
 Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 03/26/2021
 Supervised By : Mahesh Dadoda 03/29/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1708332m	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3826157	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3439300	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2763780	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	163228	0.661	ppbv	90
3) Chlorodifluoromethane	2.99	51	167816	0.753	ppbv	99
4) Chloromethane	3.14	50	57469	0.583	ppbv	89
5) Vinyl Chloride	3.26	62	50058	0.537	ppbv #	83
6) Bromomethane	3.48	94	32202	0.557	ppbv	87
7) Chloroethane	3.56	64	20252m	0.581	ppbv	
8) Dichlorotetrafluoroethane	3.19	85	134714	0.564	ppbv	98
9) Propene	3.01	41	50179	0.553	ppbv	97
10) Heptane	8.12	43	116223m	0.518	ppbv	
11) Trichlorofluoromethane	3.95	101	143841	0.574	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.48	101	91215	0.567	ppbv	95
13) Ethanol	3.62	45	6702m	0.515	ppbv	
14) Bromoethene	3.74	108	35246m	0.529	ppbv	
15) Acetone	3.86	43	93260m	0.489	ppbv	
16) 1,3-Butadiene	3.32	39	58173m	0.589	ppbv	
17) tert-Butyl alcohol	4.31	59	81269m	0.532	ppbv	
18) 1,1-Dichloroethene	4.29	96	42300m	0.588	ppbv	
19) Isopropyl Alcohol	3.98	45	51740m	0.486	ppbv	
20) Methylene Chloride	4.35	84	45311m	0.661	ppbv	
21) Allyl Chloride	4.42	41	66754m	0.581	ppbv	
22) trans-1,2-Dichloroethene	4.89	96	38826m	0.592	ppbv	
23) Vinyl Acetate	5.08	43	121871	0.525	ppbv #	94
24) 1,1-Dichloroethane	5.01	63	106062	0.587	ppbv #	98
25) Ethyl Acetate	5.68	43	195386m	0.512	ppbv	
26) Hexane	5.69	57	87711	0.544	ppbv	93
27) Carbon Disulfide	4.56	76	83601m	0.527	ppbv	
28) Methyl tert-Butyl Ether	5.05	73	108011m	0.512	ppbv	
29) Chloroform	5.75	83	155153m	0.593	ppbv	
30) Cyclohexane	7.13	84	68352m	0.513	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	79901m	0.512	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	139014m	0.531	ppbv	
34) 2-Butanone	5.26	43	108124m	0.484	ppbv	
35) Carbon Tetrachloride	7.02	117	139839	0.556	ppbv	92
36) Benzene	6.89	78	166673	0.547	ppbv	99
37) 1,2-Dichloroethane	6.31	62	100329	0.527	ppbv #	96
38) Trichloroethene	7.83	130	63999m	0.559	ppbv	
39) 1,2-Dichloropropane	7.61	63	63486	0.488	ppbv	92
40) 1,4-Dioxane	7.87	88	17498m	0.440	ppbv	
41) Tetrahydrofuran	6.08	42	37118m	0.313	ppbv	
42) Bromodichloromethane	7.79	83	131370	0.510	ppbv	96
43) Methyl Methacrylate	8.02	69	47325	0.397	ppbv	90

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44) 2,2,4-Trimethylpentane	7.87	57	306657	0.555	ppbv	94
45) t-1,3-Dichloropropene	9.28	75	50266m	0.422	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	71025m	0.457	ppbv	
47) 1,1,2-Trichloroethane	9.47	97	72737m	0.565	ppbv	
48) Dibromochloromethane	10.30	129	93635	0.479	ppbv	87
49) Bromoform	13.04	173	76100m	0.477	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	121392m	0.377	ppbv	
51) 2-Hexanone	10.16	43	50700m	0.222	ppbv	
52) Tetrachloroethene	11.22	164	62449m	0.550	ppbv	
53) Toluene	9.81	91	157843	0.480	ppbv	98
54) 1,2-Dibromoethane	10.61	107	94021	0.508	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	80245m	0.522	ppbv	
57) Chlorobenzene	12.15	112	154936m	0.605	ppbv	
58) Ethyl Benzene	12.72	91	229482	0.520	ppbv	90
59) m/p-Xylene	13.00	91	421679m	1.087	ppbv	
60) o-Xylene	13.69	91	208182	0.559	ppbv	99
61) Styrene	13.53	104	79934m	0.365	ppbv	
62) Isopropylbenzene	14.67	105	283201	0.513	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	166936m	0.579	ppbv	
64) n-propylbenzene	15.57	120	61088m	0.445	ppbv	
65) tert-Butylbenzene	16.75	119	235083m	0.490	ppbv	
66) Benzyl Chloride	17.00	91	23065m	0.206	ppbv	
67) sec-Butylbenzene	17.30	105	344032m	0.514	ppbv	
69) p-Isopropyltoluene	17.66	119	246562m	0.461	ppbv	
70) n-Butylbenzene	18.56	91	256886m	0.465	ppbv	
71) 2-Chlorotoluene	15.46	91	198174	0.479	ppbv	98
72) 4-Ethyltoluene	15.85	105	211638m	0.522	ppbv	
73) 1,3,5-Trimethylbenzene	16.01	105	211211m	0.541	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	225412m	0.544	ppbv	
75) 1,3-Dichlorobenzene	17.01	146	131322m	0.566	ppbv	
76) 1,4-Dichlorobenzene	17.15	146	128573m	0.555	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	127680m	0.566	ppbv	
78) Hexachloro-1,3-Butadiene	23.38	225	122018m	0.666	ppbv	
79) Naphthalene	22.21	128	90813m	0.368	ppbv	
80) Naphthalene, 2-methyl-	25.08	142	11037m	0.210	ppbv	
81) 1,2,4-Trichlorobenzene	21.95	180	65960m	0.457	ppbv	

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

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