

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030321\
 Data File : VL036434.D
 Acq On : 3 Mar 2021 10:14
 Operator : SY/AP
 Sample : VSTDICC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Quant Time: Mar 03 10:50:57 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	1677584	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3880223	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3752242	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2988603	9.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	467856	1.869 ppbv	94
3) Chlorodifluoromethane	2.99	51	419324	2.012 ppbv	98
4) Chloromethane	3.14	50	206820	2.054 ppbv	99
5) Vinyl Chloride	3.26	62	191618	2.043 ppbv	95
6) Bromomethane	3.47	94	115384	2.070 ppbv	92
7) Chloroethane	3.56	64	68000	2.042 ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	487071	2.139 ppbv	96
9) Propene	3.01	41	186428	2.399 ppbv	96
10) Heptane	8.13	43	478353	2.089 ppbv	100
11) Trichlorofluoromethane	3.95	101	503994	2.056 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	333518	2.196 ppbv	97
13) Ethanol	3.61	45	30321m	2.077 ppbv	
14) Bromoethene	3.74	108	128664	2.024 ppbv	91
15) Acetone	3.86	43	419266	2.045 ppbv #	89
16) 1,3-Butadiene	3.33	39	205919	2.100 ppbv	96
17) tert-Butyl alcohol	4.30	59	295079m	1.854 ppbv	
18) 1,1-Dichloroethene	4.29	96	146523	2.123 ppbv	90
19) Isopropyl Alcohol	3.97	45	209628m	1.845 ppbv	
20) Methylene Chloride	4.35	84	134459	2.032 ppbv	92
21) Allyl Chloride	4.42	41	220853	1.934 ppbv	92
22) trans-1,2-Dichloroethene	4.89	96	130146	2.076 ppbv	91
23) Vinyl Acetate	5.08	43	466864	1.936 ppbv	98
24) 1,1-Dichloroethane	5.01	63	364691	2.045 ppbv	98
25) Ethyl Acetate	5.69	43	849829	2.147 ppbv	99
26) Hexane	5.69	57	340026	2.090 ppbv	96
27) Carbon Disulfide	4.56	76	325576	2.178 ppbv	95
28) Methyl tert-Butyl Ether	5.04	73	435563	2.050 ppbv	97
29) Chloroform	5.76	83	531680	2.029 ppbv	96
30) Cyclohexane	7.14	84	251559	1.860 ppbv #	77
31) cis-1,2-Dichloroethene	5.56	61	322866	2.006 ppbv #	86
32) 1,1,1-Trichloroethane	6.52	97	511851	2.089 ppbv	97
34) 2-Butanone	5.25	43	553230m	2.146 ppbv	
35) Carbon Tetrachloride	7.02	117	532945	2.049 ppbv	99
36) Benzene	6.89	78	675456	2.049 ppbv	94
37) 1,2-Dichloroethane	6.31	62	404620	1.985 ppbv	100
38) Trichloroethene	7.84	130	242546	2.054 ppbv	89
39) 1,2-Dichloropropane	7.62	63	275990m	2.061 ppbv	
40) 1,4-Dioxane	7.85	88	85527m	1.844 ppbv	
41) Tetrahydrofuran	6.07	42	299200m	2.080 ppbv	
42) Bromodichloromethane	7.80	83	555177	2.034 ppbv	98
43) Methyl Methacrylate	8.02	69	268606	1.932 ppbv	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	1266471	2.113	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	253546	1.891	ppbv	91
46) cis-1,3-Dichloropropene	8.71	75	335653	1.970	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	285619	2.084	ppbv	95
48) Dibromochloromethane	10.31	129	414079	2.025	ppbv	94
49) Bromoform	13.05	173	348720	2.110	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	767641	2.006	ppbv	100
51) 2-Hexanone	10.15	43	571860	1.966	ppbv #	99
52) Tetrachloroethene	11.23	164	235628m	1.953	ppbv	
53) Toluene	9.82	91	745805	2.089	ppbv	100
54) 1,2-Dibromoethane	10.62	107	407898	2.060	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	358063	2.075	ppbv #	1
57) Chlorobenzene	12.15	112	596978m	2.059	ppbv	
58) Ethyl Benzene	12.72	91	1057575	2.058	ppbv	93
59) m/p-Xylene	13.00	91	1861090m	4.124	ppbv	
60) o-Xylene	13.70	91	913962m	2.118	ppbv	
61) Styrene	13.54	104	537013	2.008	ppbv	98
62) Isopropylbenzene	14.68	105	1344035	2.078	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	645137	1.895	ppbv	98
64) n-propylbenzene	15.57	120	331002	2.079	ppbv	80
65) tert-Butylbenzene	16.75	119	1207524	2.182	ppbv	98
66) Benzyl Chloride	17.00	91	281885	1.874	ppbv	97
67) sec-Butylbenzene	17.31	105	1694902	2.124	ppbv	97
69) p-Isopropyltoluene	17.66	119	1350494	2.190	ppbv	99
70) n-Butylbenzene	18.56	91	1430290	2.162	ppbv	97
71) 2-Chlorotoluene	15.46	91	1022161	2.062	ppbv	99
72) 4-Ethyltoluene	15.85	105	987680	2.057	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	955997	2.054	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	1036668	2.181	ppbv	94
75) 1,3-Dichlorobenzene	17.01	146	549764	2.131	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	506309	1.890	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	534716	2.090	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	441094m	2.110	ppbv	
79) Naphthalene	22.22	128	586525m	2.082	ppbv	
80) Naphthalene, 2-methyl-	25.00	142	63109	1.210	ppbv	92
81) 1,2,4-Trichlorobenzene	21.95	180	354669m	2.064	ppbv	

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

